



MBL/WHOI



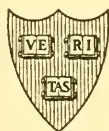
0 0301 0017934 7

577.6
+ 37₂

A CHECK LIST OF NORTH AMERICAN AMPHIBIANS AND REPTILES

BY
LEONHARD STEJNEGER
AND
THOMAS BARBOUR

Second Edition



CAMBRIDGE
HARVARD UNIVERSITY PRESS

LONDON: HUMPHREY MILFORD
OXFORD UNIVERSITY PRESS

1923

COPYRIGHT, 1917, 1923
BY HARVARD UNIVERSITY PRESS

PRINTED AT THE HARVARD UNIVERSITY PRESS
CAMBRIDGE, MASS., U. S. A.

INTRODUCTION TO SECOND EDITION

THE first edition of the Check List seems to have been useful. Great changes have come in our knowledge of the North American fauna since it was written, so great indeed that there has been a general request for a revised edition. This we have attempted in as impartial a manner as possible. Probably no one will agree with all our conclusions. The reason for issuing this revision now is that the present seems to be as good a time as any later date, in view of the fact that the last word will not be said for years to come.

Recent writers have often erred egregiously in the use of accents in Spanish place names. We confess it is difficult to satisfy the puristic conventions. Our general rule is to accent all Spanish words in which the last syllable is stressed and which ends in a vowel.

It is not the real province of a Check List to initiate changes in usage except where nomenclature does not conform to the International Code. We admit new species and subspecies as they are proposed, except where their validity is definitely contra-indicated. As to the various more fundamental changes in classification which have been proposed we can only say that we are inclined to consider them very sympathetically, but they have not as yet stood the test of time. We have, however, omitted the term *Eublepharidae* most willingly. But *Pseudacris* and *Manculus*, which some would suppress, are convenient names for apparently natural associations of species, and, therefore, who would ask more reason for their retention in the ranks of valid genera? It is to be hoped that American herpetology may not fall into the unhappy condition now seen in our ornithology with its overmultiplied monotypic genera; still, however, any reasonable efforts to break up the great unwieldy genera are certainly welcome.

Thus without special aim to be consistent we have taken up the various problems presented by recent workers, feeling generally that it is our duty to record established custom rather than to initiate or to follow hastily each proposed change.

Thanks are due to several of our North American co-workers for advice and assistance. We would mention especially Dr. Emmett Reid Dunn, Dr. Alexander G. Ruthven, and Mr. Karl P. Schmidt.

T. B.

NOTE

Two frogs described by Weed (Proc. Biol. Soc. Wash., Vol. 35, Oct. 17, 1922, p. 107-110) seem to have scarcely the status of full species, nor yet to be subspecies. Nevertheless they are not the same as typical *Rana pipiens*, and pending more complete examination of their status we give them only this nominal mention. They have been called

Rana burnsi WEED
and
Rana kandiyohi WEED.

INTRODUCTION TO FIRST EDITION

A CHECK LIST of North American Amphibians and Reptiles has long been wished for by all students of American Herpetology. This list has been prepared generally upon the lines of the American Ornithologists' Union Check List of Birds, and, following that example, it has included the species and subspecies which the authors deem valid ¹ and of certain occurrence in North America, north of the Rio Grande, and in Lower California, Mexico. Miller's List of North American Land Mammals (Bull. U. S. Nat. Mus., No. 79, 1912) has also been a valued guide.

This volume is the result of lists begun some years ago independently by both authors. The arrangement is on the following system: The higher groups and genera are in systematic sequence, the species are in alphabetic order. No attempt is made to give synonyms. Species not listed are believed to be invalid. The citation of original appearance of names is given for all except such (e.g., family names) as are formed automatically. Following the citation of the original description of each species comes the place of first appearance of the name in its present combination — accurate in so far as we have been able to determine. References are added to Cope's North American Batrachia and to his Crocodilians, Lizards, and Snakes of North America. Both are frequently erratic and inaccurate, but large and excellent portions of both works are to a great extent from the pen of S. F. Baird, as painstaking an investigator as this country has produced. These monographs are in widespread use, and constitute the most recent attempts toward com-

¹ By this statement it is not meant that the authors in all cases have verified the status of a number of more recently established forms by critical study. The judgment of reliable workers has been accepted where no special reason appeared to contra-indicate the validity of the form. As for the admission of subspecies — or rather trinominal designation — for certain forms no special attempt has been made at consistency, the authors on principle leaning towards binominals in all cases where the need of trinominals has not been clearly established.

plete lists. In the case of the difficult genus *Thamnophis* references are given to Ruthven's excellent review. Common names for reptiles and amphibians are in great confusion, and are often of generic rather than of specific application. No attempt is made to recognize any except those which are in well-established usage. The host which have been recently coined by various writers are frequently inapt and almost surely unlikely to survive. It is entirely possible that some vernacular names really often used have escaped our notice, since many are in restricted local use. The type localities are as nearly exact as it is possible to determine. This cannot be said regarding the ranges. Many are obviously faulty, but a sincere attempt has been made to collect records of authentic captures; however, with a literature so extensive and so scattered, records have almost surely been overlooked. In many cases, our knowledge does not warrant drawing hard and fast lines delimiting a form's occurrence, and we often state ranges in purposely general terms. There still is opportunity for valuable field work to determine the precise distribution of many of our most common species. An example is the recent discovery that *Virginia valeriae* is far from rare in parts of New Jersey.

Our hearty thanks are due to many for information and advice, especially to Samuel Henshaw, John Van Denburgh, and Alexander G. Ruthven.

G. K. Noble has assisted considerably in verifying references and searching literature, and for this assistance he has our grateful remembrance.

T. B.

CONTENTS

CLASS AMPHIBIA	1
ORDER CAUDATA	1
SUBORDER PROTEIDA	1
Family Necturidae	1
Genus Necturus	1
Family Typhlomolgidae	2
Genus Typhlomolge	2
SUBORDER MUTABILIA	2
Family Amphiumidae	2
Genus Amphiuma	2
Family Cryptobranchidae	3
Genus Cryptobranchus	3
Family Salamandridae	3
Genus Triturus	3
Family Ambystomidae	4
Genus Ambystoma	4
Genus Dicamptodon	7
Genus Rhyacotriton	8
Family Plethodontidae	8
Genus Batrachoseps	8
Genus Hemidactylium	9
Genus Plethodon	10
Genus Ensatina	12
Genus Stereochilus	13
Genus Gyrimophilus	13
Genus Manculus	14
Genus Pseudotriton	14
Genus Eurycea	15
Genus Hydromantes	17
Genus Aneides	17
Genus Desmognathus	19
Genus Leurognathus	20
Genus Typhlotriton	20
SUBORDER MEANTES	21
Family Sirenidae	21
Genus Siren	21
Genus Pseudobranchus	21
ORDER SALIENTIA	22
SUBORDER COSTATA	22
Family Discoglossidae	22
Genus Ascaphus	22

25436

SUBORDER LINGUATA	22
Family Scaphiopodidae	22
Genus Scaphiopus	22
Family Bufonidae	23
Genus Bufo	23
Family Hylidae	27
Genus Acris	27
Genus Pseudacris	27
Genus Hyla	29
Family Leptodactylidae	32
Genus Eleutherodactylus	32
Genus Syrrhophus	33
Family Ranidae	33
Genus Rana	33
Family Brevicipitidae	37
Genus Gastrophryne	37
Genus Hypopachus	38
CLASS REPTILIA	39
SUBCLASS DIAPSIDA	39
ORDER LORICATA	39
Family Crocodylidae	39
Genus Crocodylus	39
Genus Alligator	39
ORDER SQUAMATA	40
SUBORDER SAURIA	40
Family Gekkonidae	40
Genus Hemidactylus	40
Genus Phyllodactylus	40
Genus Sphaerodactylus	41
Genus Coleonyx	41
Family Iguanidae	42
Genus Anolis	42
Genus Ctenosaura	42
Genus Dipso-saurus	43
Genus Crotaphytus	43
Genus Sauromalus	45
Genus Callisaurus	46
Genus Uma	47
Genus Holbrookia	48
Genus Uta	50
Genus Sator	54
Genus Sceloporus	54
Genus Phrynosoma	60
Family Anguidae	64
Genus Ophisaurus	64
Genus Gerrhonotus	64
Genus Barissia	66

CONTENTS

ix

Family Anniellidae	66
Genus Anniella	66
Family Helodermatidae	67
Genus Heloderma	67
Family Xantusiidae	67
Genus Xantusia	67
Family Teiidae	68
Genus Verticaria	68
Genus Cnemidophorus	70
Family Scincidae	74
Genus Leiolopisma	74
Genus Eumeces	74
Genus Neoseps	78
Family Bipedidae	78
Genus Bipes	78
Family Leposternidae	78
Genus Rhineura	78
SUBORDER SERPENTES	79
Family Leptotyphlopidae	79
Genus Leptotyphlops	79
Genus Siagonodon	79
Family Boidae	79
Genus Lichanura	79
Genus Charina	80
Family Colubridae	80
Genus Carphophis	80
Genus Abastor	81
Genus Farancia	81
Genus Diadophis	82
Genus Heterodon	84
Genus Liopeltis	85
Genus Ophedrys	85
Genus Coluber	86
Genus Salvadora	89
Genus Phyllorhynchus	89
Genus Elaphe	90
Genus Drymobius	93
Genus Drymarchon	93
Genus Arizona	94
Genus Pituophis	94
Genus Leimadophis	96
Genus Lampropeltis	97
Genus Stylophis	102
Genus Contia	102
Genus Cemophora	103
Genus Rhinocheilus	103
Genus Sonora	103
Genus Ficimia	104

Genus Hypsiglena	104
Genus Chilomeniscus	105
Genus Natrix	106
Genus Seminatrix	109
Genus Storeria	110
Genus Virginia	110
Genus Amphiardis	111
Genus Potamophis	111
Genus Tropidoclonion	111
Genus Liodytes	112
Genus Thamnophis	112
Genus Coniophanes	117
Genus Leptodeira	118
Genus Trimorphodon	118
Genus Tantilla	118
Family Elapidae	119
Genus Micrurus	119
Family Distelidae	120
Genus Pelamys	120
Family Crotalidae	120
Genus Agkistrodon	120
Genus Sistrurus	121
Genus Crotalus	122
SUBCLASS SYNAPSIDA	126
ORDER TESTUDINATA	126
Family Kinosternidae	126
Genus Sternotherus	126
Genus Kinosternon	127
Family Chelydridae	128
Genus Macrochelys	128
Genus Chelydra	128
Family Testudinidae	129
Genus Clemmys	129
Genus Emys	130
Genus Terrapene	130
Genus Malaclemys	131
Genus Graptemys	132
Genus Chrysemys	133
Genus Pseudemys	135
Genus Deirochelys	137
Genus Gopherus	137
Family Cheloniidae	138
Genus Chelonia	138
Genus Eretmochelys	138
Genus Caretta	139
Family Dermochelidae	139
Genus Dermochelys	139
Family Trionychidae	140
Genus Amyda	140

AMPHIBIA (CLASS)

LINNÉ, Syst. Nat., Ed. 10, Vol. 1, 1758, p. 194

CAUDATA (ORDER)

OPPEL, Ordn. Rept., 1811, p. 72

PROTEIDA (SUBORDER)

COPE, Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 6, 1866, p. 102

NECTURIDAE (FAMILY)

Necturus (GENUS)

RAFINESQUE, Journ. Phys. Chim. Hist. Nat., Vol. 88, June, 1819, p. 418

TYPE: *maculatus* = *maculosus*

Necturus maculosus (RAFINESQUE)

MUDPUPPY, WATERDOG

Sirena maculosa RAFINESQUE

Amer. Month. Mag. Crit. Rev., Vol. 4, No. 1, Nov. 1818, p. 41.

Necturus maculosus RAFINESQUE

Ann. Nat., Lexington, No. 1, March 22, 1820, p. 4.

Necturus maculatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 23, fig. 3.

TYPE LOCALITY: Found in the Ohio River.

RANGE: Tributaries of the Great Lakes, the Mississippi River system, the upper Hudson River, and Lake Champlain. Rivers of North and South Carolina, Georgia, and Alabama.

Necturus punctatus (GIBBES)

Menobranchnus punctatus GIBBES

Proc. Amer. Assoc. Adv. Sci., Charleston, 1850, p. 159.

Necturus punctatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 27, fig. 4.

TYPE LOCALITY: Dr. Schoolbred's plantation on the South Santee River, a few miles from its mouth, South Carolina.

RANGE: Fresh waters of North and South Carolina, especially rice-field ditches.

TYPHLOMOLGIDAE (*FAMILY*)

Typhlomolge (*GENUS*)¹

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 18, 1896, p. 620

TYPE: *rathbuni*

Typhlomolge rathbuni STEJNEGER

Typhlomolge rathbuni STEJNEGER

Proc. U. S. Nat. Mus., Vol. 18, Apr. 15, 1896, p. 620.

TYPE LOCALITY: Artesian well 188 feet deep, at U. S. Fish Commission Station, San Marcos, Hays Co., Texas.

RANGE: Known from vicinity of the type locality only.

MUTABILIA (*SUBORDER*)

MERREM, Syst. Amph., 1820, p. 166

AMPHIUMIDAE (*FAMILY*)

Amphiuma (*GENUS*)

GARDEN, Smith's Correspondence of Linnaeus, Vol. 1, 1821, p. 599

TYPE: *means*

Amphiuma means GARDEN

BLIND EEL, CONGO EEL, CONGO SNAKE

Amphiuma means GARDEN

Smith's Correspondence of Linnaeus, Vol. 1, 1821, p. 599 (descr. p. 333).

Amphiuma means COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 216.

TYPE LOCALITY: Not stated, but from the context evidently either Charleston or East Florida.

RANGE: From Virginia south to Florida, west to Louisiana.

Amphiuma tridactylum CUVIER

Amphiuma tridactylum CUVIER

Mém. Mus. Hist. Nat. Paris, Vol. 14, 1827, p. 7, pl. 1, figs. 4-6, pl. 2, figs. 9-18.

TYPE LOCALITY: New Orleans, Louisiana.

RANGE: Northern Florida to southern Mississippi and Louisiana, up the Mississippi Valley at least to Missouri.

¹ It has been urged by several writers, with much vigor, that this genus should be placed next to *Typhlotriton* in the *Plethodontidae*. The senior author, however, feels that it is unwise to postulate the form which might be assumed were this permanent larva ever to transform.

CRYPTOBRANCHIDAE (FAMILY)

Cryptobranchus (GENUS)

LEUCKART, Isis, 1821, Lit. Anz., p. 259

TYPE: *gigantea* = *alleganiensis***Cryptobranchus alleganiensis** (DAUDIN)

HELL-BENDER

Salamandra alleganiensis DAUDIN

Hist. Nat. Rept., Vol. 8, 1803, p. 231.

Cryptobranchus alleghaniensis VAN DER HOEVEN

Tijdschr. Nat. Geschied. Physiol., Vol. 4, 1837, p. 384.

Cryptobranchus allegheniensis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 38, fig. 5.

TYPE LOCALITY: Alleghany Mountains in Virginia.

RANGE: Western New York, the Great Lakes system, Iowa and southward to Georgia and Louisiana.

SALAMANDRIDAE (FAMILY)

Triturus (GENUS)

RAFINESQUE, Anal. Nat., 1815, p. 78

TYPE: *cristatus***Triturus meridionalis** (COPE)*Diemyctylus miniatus*, subsp. *meridionalis* COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 30.

Triturus meridionalis DUNN

Bull. Mus. Comp. Zoöl., Vol. 62, 1918, p. 452.

Diemyctylus viridescens meridionalis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 211, fig. 54.

TYPE LOCALITY: Matamoros, Tamaulipas, Mexico.

RANGE: Southern Georgia to Louisiana, Texas and Tamaulipas.

Triturus torosus (ESCHSCHOLTZ)

GIANT NEWT, CALIFORNIA NEWT

Triton torosus ESCHSCHOLTZ

Zoöl. Atlas, Pt. 5, 1833, p. 12, pl. 21, fig. 15.

Notophthalmus torosus BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 284.

Diemyctylus torosus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 204, fig. 51.

TYPE LOCALITY: Surroundings of the Bay of San Francisco, California.

RANGE: California, Oregon, and Washington.



Triturus viridescens viridescens (RAFINESQUE)

COMMON NEWT (AQUATIC FORM), RED EFT OR EBBET (TERRESTRIAL FORM)

Triturus viridescens RAFINESQUE

Ann. Nat., Lexington, No. 1, March 22, 1820, p. 5.

Notophthalmus viridescens BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 284.

Diemyctylus viridescens COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 207, figs. 52-53.

TYPE LOCALITY: Lake George, Lake Champlain.

RANGE: Eastern North America, Hudson Bay to Texas, west Illinois, Michigan, Missouri to Oklahoma.

Triturus viridescens dorsalis (HARLAN)*Salamandra dorsalis* HARLAN

Journ. Ac. Nat. Sci. Phila., Vol. 6, 1827, p. 101.

Notophthalmus viridescens vittatus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 8.

Triturus dorsalis DUNN

Bull. Mus. Comp. Zoöl., Vol. 62, 1918, p. 452.

TYPE LOCALITY: South Carolina.

RANGE: North Carolina to northern Florida. (In the coastal plain.)

AMBYSTOMIDAE (FAMILY)**Ambystoma (GENUS)**

TSCHUDI, Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 92

TYPE: *subviolacea* = *maculatum***Ambystoma annulatum COPE***Amblystoma annulatum* COPE

Proc. Amer. Philos. Soc., Vol. 23, 1886, p. 525.

Linguaelapsus annulatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 115, fig. 25.

TYPE LOCALITY: Unknown.

RANGE: Arkansas.

Ambystoma cingulatum COPE*Amblystoma cingulatum* COPE

Proc. Ac. Nat. Sci. Phila., 1867, p. 205.

Chondrotus cingulatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 100, p. 455, fig. 116.

TYPE LOCALITY: Grahamville, South Carolina.

RANGE: South Carolina to northern Florida and Alabama.

Ambystoma decorticatum COPE*Amblystoma decorticatum* COPE

Proc. Amer. Philos. Soc., Vol. 23, 1886, p. 522.

Chondrotus decorticatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 107, fig. 22.

TYPE LOCALITY: Port Simpson, British Columbia.

RANGE: Coastal region of southeastern Alaska and British Columbia.

Ambystoma jeffersonianum (GREEN)*Salamandra jeffersoniana* GREEN

Contr. Maclur. Lyc., Vol. 1, No. 1, Jan. 1827, p. 4, pl. 1, fig. 1.

Ambystoma jeffersoniana BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 283.

Amblystoma jeffersonianum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 89, figs. 15-16.

TYPE LOCALITY: Near Jefferson College, Cannonsburg, Pennsylvania.

RANGE: Canada (to Hudson Bay) and New England, southward to Virginia, Illinois, and Arkansas.

Ambystoma macrodactylum BAIRD*Ambystoma macrodactyla* BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 292.

Amblystoma macrodactylum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 95, fig. 17.

Ambystoma epixanthum STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 9.

TYPE LOCALITY: Astoria, Oregon.

RANGE: Northern California to British Columbia, Idaho and Montana, probably eastward to and certainly in Iowa.

Ambystoma maculatum (SHAW)

SPOTTED SALAMANDER

Lacerta maculata SHAW

Gen. Zool., Vol. 3, Pt. 1, 1802, p. 304.

Ambystoma maculatum STEJNEGER

Proc. Biol. Soc. Washington, Vol. 15, Dec. 16, 1902, p. 239.

Amblystoma punctatum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 56, fig. 9.

TYPE LOCALITY: Carolina (based on Catesby, Nat. Hist. Carolina, Ed. 1, Appendix, 1748, pl. 10, fig. 10).

RANGE: Nova Scotia west to Wisconsin, southward to Georgia and Texas.

Ambystoma microstomum COPE*Amblystoma microstomum* COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 123.

Chondrotus microstomus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 101, fig. 19.

TYPE LOCALITY: Wabash, Ohio.¹

RANGE: South Carolina to Texas, northward to Ohio, Illinois, and possibly Canada.

Ambystoma opacum (GRAVENHORST)

MARBLED SALAMANDER

Salamandra opaca GRAVENHORST

Vergl. Uebers. Zool. Syst., 1807, p. 431.

Amblystoma opaca BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 283.

Amblystoma opacum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 54, fig. 8.

TYPE LOCALITY: New York

RANGE: From Massachusetts to Florida, west to Louisiana and Texas, Mississippi basin north to Arkansas, Missouri, Indiana, and Illinois.

Ambystoma paroticum BAIRD²*Amblystoma paroticum* BAIRD

in Cope, Proc. Ac. Nat. Sci. Phila., 1867, p. 200.

Chondrotus paroticus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 105, fig. 21.

TYPE LOCALITY: Chiloweyuck Lake, British Columbia.

RANGE: Northern California to British Columbia, Vancouver Island.

Ambystoma talpoideum (HOLBROOK)

MOLE SALAMANDER

Salamandra talpoidea HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 3, 1838, p. 117, pl. 29.

Ambystoma talpoideum GRAY

Cat. Batr. Grad. Brit. Mus., 1850, p. 36.

Amblystoma talpoideum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 52, fig. 7.

TYPE LOCALITY: Sea Islands on the border of South Carolina.

RANGE: South Atlantic and Gulf States, Louisiana to Illinois.

¹ Possibly incorrect; cf. Fowler and Dunn, Proc. Ac. Nat. Sci. Phila., Vol. 69, 1917, p. 11. It is probably Wabash River, Indiana.² Dunn (in litt.) suggests that the type of *Siredon gracilis* Baird represents the larva of this species. If this proves to be certain *gracilis* supplants *paroticum*.

Ambystoma texanum (MATTHES)*Salamandra texana* MATTHES

Allg. deutsche naturh. Zeitschr., N. S., Vol. 1, 1855, p. 266.

Amblystoma texanum BAIRD

U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 29, pl. 35, fig. 15.

Chondrotus texanus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 104, fig. 20.

TYPE LOCALITY: "Das erste Exemplar fand ich . . . im Urwalde am Rio Colorado, das zweite ebenfalls . . . im Cumming's Creeek [sic] Bottom, Fayette County."

RANGE: Ohio and Illinois south to Tennessee and Texas.

Ambystoma tigrinum (GREEN)

TIGER SALAMANDER

Salamandra tigrina GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 5, 1825, p. 116.

Amblystoma tigrina BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 284.

Amblystoma tigrinum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 68, figs. 12-13.

TYPE LOCALITY: Near Moorestown, New Jersey.

RANGE: Widely distributed over almost all the United States, east of the Cascade Range and Sierra Nevada, and extending southward over the northern portion of the Mexican plateau.

Dicamptodon (GENUS)

STRAUCH, Mém. Acad. Sci. St. Pétersb., Ser. 7, Vol. 16, 1870, p. 68

TYPE: *ensatus***Dicamptodon aterrimus** (COPE)*Amblystoma aterrimum* COPE

Proc. Ac. Nat. Sci. Phila., 1867, p. 201.

Dicamptodon aterrimum DUNN

Proc. N. Engl. Zoöl. Club, Vol. 8, Feb. 27, 1923, p. 39.

Chondrotus aterrimus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 109, fig. 23.

Ambystoma aterrimum STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 8.

TYPE LOCALITY: Northern Rocky Mountains (in Montana).

RANGE: Northern Rocky Mountains.

Dicamptodon ensatus (ESCHSCHOLTZ)*Triton ensatus* ESCHSCHOLTZ

Zoöl. Atlas, Pt. 5, 1833, p. 6, pl. 22.



Dicamptodon ensatus STRAUCH

Mém. Ac. Sci. St. Pétersb., Ser. 7, Vol. 16, 1870, p. 69.

Ambystoma tenebrosus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 11.

TYPE LOCALITY: California, environs of Bay of San Francisco.

RANGE: Central California to southern coastal region of British Columbia.

Rhyacotriton (*GENUS*)

DUNN, Proc. N. Engl. Zoöl. Club, Vol. 7, 1920, p. 56

TYPE: *olympicus***Rhyacotriton olympicus** (GAIGE)*Ranodon olympicus* GAIGE

Occ. Papers Mus. Zool. Univ. Michigan, No. 40, May 30, 1917, p. 2, pl. 1.

Rhyacotriton olympicus DUNN

Proc. N. Engl. Zoöl. Club, Vol. 7, 1920, p. 56.

Ranodon olympicus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 13.

TYPE LOCALITY: Lake Cushman, Washington.

RANGE: Olympic Mountains, Washington.

PLETHODONTIDAE (*FAMILY*)**Batrachoseps** (*GENUS*)¹BONAPARTE, Iconogr. Fauna Italica, Vol. 2, Fasc. 26, 1839,
fol. 131 * * * (not paged)TYPE: *attenuatus***Batrachoseps attenuatus** (ESCHSCHOLTZ)*Salamandrina attenuata* ESCHSCHOLTZ

Zool. Atlas, Pt. 5, 1833, p. 1, pl. 21, figs. 1-14.

Batrachoseps attenuatus COOPER

Pacif. R. R. Surv., Vol. 12, Pt. 3, 1858, Zoöl., p. viii, pl. 31, fig. 5.

Batrachoseps attenuatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 127, fig. 28.

TYPE LOCALITY: Environs of Bay of San Francisco, Calif.

RANGE: Southwestern Oregon, California, and Lower California.

Batrachoseps catalinae DUNN*Batrachoseps catalinae* DUNN

Copeia, No. 109, Aug. 15, 1922, p. 62.

TYPE LOCALITY: Santa Catalina Island.

RANGE: Same.

¹ While we have given all of the forms described specific rank, we nevertheless feel that further studies will show that the forms have been unduly multiplied.

Batrachoseps caudatus COPE*Batrachoseps caudatus* COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 126, fig. 27.

TYPE LOCALITY: Hassler Harbor, Alaska. (Probably on Anette Island, S. E. Alaska.)

RANGE: Northern Channel Islands, Alaska.

Batrachoseps leucopus DUNN*Batrachoseps leucopus* DUNN

Copeia, No. 109, Aug. 15, 1922, p. 60.

TYPE LOCALITY: North Island, Los Coronados Islands.

RANGE: Coronados Islands, Lower California.

Batrachoseps major CAMP*Batrachoseps major* CAMP

Univ. California Publ. Zool., Vol. 12, No. 12, Apr. 2, 1915, p. 327.

TYPE LOCALITY: Sierra Madre, 1000 feet elevation, Los Angeles Co., California.

RANGE: Southwestern California.

Batrachoseps pacificus (COPE)*Hemidactylium pacificum* COPE

Proc. Ac. Nat. Sci. Phila., 1865, p. 195.

Batrachoseps pacificus COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 99.

Batrachoseps pacificus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 129.

TYPE LOCALITY: Santa Barbara (?), Calif.

RANGE: Islands off the coast of California.

Hemidactylium (GENUS)

TSCHUDI, Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 94

TYPE: *scutatum***Hemidactylium scutatum** (SCHLEGEL)

FOUR-TOED SALAMANDER

Salamandra scutata SCHLEGEL

Fauna Japonica, Saur. Batr., 1838, p. 119.

Hemidactylium scutatum TSCHUDI

Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 94.

Hemidactylium scutatum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 130, fig. 29.

TYPE LOCALITY: Nashville, Tennessee.

RANGE: Massachusetts, southern Canada westward to Michigan, south to Georgia and the Gulf States, also Arkansas and Illinois.

Plethodon (*GENUS*)

TSCHUDI, Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 92

TYPE: *glutinosus*

Plethodon cinereus (GREEN)

REDBACKED SALAMANDER, DUSKY SALAMANDER (NAMES FOR THE TWO COLOR PHASES)

Salamandra cinerea GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 1, Pt. 2, Sept. 1818, p. 356.

Plethodon cinereus TSCHUDI

Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 92.

Plethodon cinereus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 133, fig. 30.

TYPE LOCALITY: New Jersey.

RANGE: Eastern Canada and the states east of the Mississippi River, also Missouri and Arkansas. Not found in Florida.

Plethodon dorsalis (COPE)

Plethodon cinereus dorsalis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 138.

Plethodon dorsalis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 15.

TYPE LOCALITY: Salem, Massachusetts (?), and Louisville, Kentucky.

RANGE: Southern Ohio, southern Indiana, central Kentucky, Tennessee, and Alabama.

Plethodon elongatus VAN DENBURGH

Plethodon elongatus VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 6, No. 7, May 12, 1916, p. 216.

TYPE LOCALITY: Requa, Del Norte Co., California.

RANGE: Requa, Del Norte Co., California.

Plethodon glutinosus (GREEN)

SLIMY SALAMANDER

Salamandra glutinosa GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 1, Pt. 2, Sept. 1818, p. 357.

Plethodon glutinosus TSCHUDI

Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 92.

Plethodon glutinosus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 139, fig. 31.

TYPE LOCALITY: Not mentioned but obviously Princeton, New Jersey. Here Green lived, and he mentions often finding the creature under stones.

RANGE: New York to Wisconsin, south to Florida, the Gulf States to Texas and to Missouri.

Plethodon intermedius BAIRD

Plethodon intermedius BAIRD

Proc. Ac. Nat. Sci. Phila., 1867, p. 209.

Plethodon intermedius COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 145, fig. 33.

TYPE LOCALITY: Fort Tejon, California (?).

RANGE: Oregon, Washington, Vancouver Island.

Plethodon jordani BLATCHLEY

Plethodon jordani BLATCHLEY

25 Ann. Rep. Dept. Geol. Indiana, 1900 (1901), p. 762.

TYPE LOCALITY: Mt. Collins and Indian Pass, 3000–5000 feet altitude, Sevier Co., Tenn.

RANGE: Tennessee and North Carolina (Great Smoky Mountains).

Plethodon metcalfi BRIMLEY

Plethodon metcalfi BRIMLEY

Proc. Biol. Soc. Washington, Vol. 25, Dec. 4, 1912, p. 138, pl. 6, figs. 1, 2, 4, 7–11.

TYPE LOCALITY: Sunburst, Haywood Co., North Carolina.

RANGE: Mountains of North Carolina and southwestern Virginia.

Plethodon shermani STEJNEGER

Plethodon shermani STEJNEGER

Proc. U. S. Nat. Mus., Vol. 30, May 22, 1906, p. 559, fig. 1.

TYPE LOCALITY¹: Wayah Bald Mountain, North Carolina.

RANGE: North Carolina.

Plethodon vandykei VAN DENBURGH

Plethodon vandykei VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 3, Zool., Vol. 4, March 14, 1906, p. 61.

TYPE LOCALITY: Paradise Valley, Mt. Rainier Park, Washington.

RANGE: Western Washington.

¹ Originally given as Nantahala Mt. between Andrews and Aquone, North Carolina (in errore). Wayah Bald is, however, in the Nantahala range, but this is not between Andrews and Aquone.

Plethodon wehrlei FOWLER and DUNN

Plethodon wehrlei FOWLER and DUNN

Proc. Ac. Nat. Sci. Phila., Vol. 69, 1917, p. 23, pl. 4.

TYPE LOCALITY: Two Lick Hills, Indiana Co., Pennsylvania.

RANGE: Central and western Pennsylvania and West Virginia.

Plethodon yonahlossee DUNN

Plethodon yonahlossee DUNN

Bull. Amer. Mus. Nat. Hist., Vol. 37, Oct. 13, 1917, p. 598.

TYPE LOCALITY: Near the Yonahlossee Road, about $1\frac{1}{2}$ miles from Linville, North Carolina, altitude 4200 feet.

RANGE: Wooded mountains near Linville, North Carolina, and in southwestern Virginia.

Ensatina (*GENUS*)

GRAY, Cat. Batr. Grad. Brit. Mus., 1850, p. 48

TYPE: *eschscholtzii*

Ensatina croceater (COPE)

Plethodon croceater COPE

Proc. Ac. Nat. Sci. Phila., 1867, p. 210.

Ensatina croceater DUNN

Proc. N. Engl. Zool. Club, Vol. 8, Feb. 27, 1923, p. 39.

Plethodon croceater COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 150.

Plethodon croceater STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 14.

TYPE LOCALITY: Fort Tejon, California (?).

RANGE: Lower California, and California north to El Dorado County.

Ensatina eschscholtzii GRAY

Ensatina eschscholtzii GRAY

Cat. Batr. Grad. Brit. Mus., 1850, p. 48.

Plethodon oregonensis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 148, fig. 35.

Plethodon eschscholtzii STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 15.

TYPE LOCALITY: California.

RANGE: Puget Sound to Los Angeles, California.

Stereochilus (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1869, p. 100

TYPE: *marginatus***Stereochilus marginatus** (HALLOWELL)*Pseudotriton marginatus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., 1856, p. 130.

Stereochilus marginatum COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 101.

Stereochilus marginatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 152, fig. 36.

TYPE LOCALITY: Liberty County, Georgia.

RANGE: Virginia to Georgia.

Gyrinophilus (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1869, p. 108

TYPE: *porphyriticus***Gyrinophilus danielsi** (BLATCHLEY)*Spelerpes danielsi* BLATCHLEY

25 Ann. Rep. Dept. Geol. Indiana, 1900 (1901), p. 760.

Gyrinophilus danielsi FOWLER and DUNN

Proc. Ac. Nat. Sci. Phila., Vol. 69, 1917, p. 19.

TYPE LOCALITY: Mt. Collins and Indian Pass, Sevier Co., Tennessee.

RANGE: North Carolina to Georgia, Tennessee.

Gyrinophilus porphyriticus (GREEN)*Salamandra porphyritica* GREEN

Contr. Macbr. Lyc., Vol. 1, 1827, p. 3, pl. 1, fig. 2.

Gyrinophilus porphyriticus COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 108.

Gyrinophilus porphyriticus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 155, fig. 37.

TYPE LOCALITY: French Creek near Meadville, Crawford Co., Pennsylvania.

RANGE: Southern Canada, southward through the eastern states to Ohio and Tennessee.

Manculus (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1869, p. 101

TYPE: *quadridigitatus***Manculus quadridigitatus quadridigitatus** (HOLBROOK)

DWARF SALAMANDER

Salamandra quadridigitata HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 5, 1842, p. 65, pl. 21.

Manculus quadridigitatus COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 101.

Manculus quadridigitatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 159, fig. 38.

TYPE LOCALITY: Georgia, South Carolina, and Florida.

RANGE: North Carolina south to southern Georgia and westward through the Gulf States to Texas.

Manculus quadridigitatus remifer (COPE)*Manculus remifer* COPE

Rep. Peabody Ac. Salem, 1869-1870 (1871), p. 84.

Manculus remifer COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 158.

TYPE LOCALITY: Jacksonville, Florida.

RANGE: East Florida south to Sebastian.

Pseudotriton (*GENUS*)

TSCHUDI, Mém. Soc. Sci. Nat. Neuchâtel, 1838, p. 60

TYPE: *subfuscus* = *ruber***Pseudotriton montanus montanus** (BAIRD)*Pseudotriton montanus* BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 293.

Spelerpes ruber montanus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 179.

Eurycea montana STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 19.

TYPE LOCALITY: South Mountain, near Carlisle, Penn.

RANGE: Pennsylvania to Georgia, Kentucky, and Tennessee.

Pseudotriton montanus flavissimus (HALLOWELL)*Pseudotriton flavissimus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., 1856, p. 130.

TYPE LOCALITY: Liberty County, Georgia.

RANGE: Coastal plain of Georgia to Mississippi.

Pseudotriton ruber ruber (SONNINI)**RED SALAMANDER**

Salamandra rubra SONNINI

in Latreille, Hist. Nat. Rept., Vol. 4, 1802, p. 305.

Pseudotriton ruber ruber DUNN

Proc. Biol. Soc. Washington, Vol. 33, Dec. 30, 1920, p. 133.

Spelerpes ruber COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 172, fig. 43.

Eurycea rubra rubra STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 20.

TYPE LOCALITY: United States.

RANGE: From New York to Georgia westward to Ohio, Kentucky, Tennessee, and Mississippi.

Pseudotriton ruber nitidus DUNN

Pseudotriton ruber nitidus DUNN

Proc. Biol. Soc. Washington, Vol. 33, Dec. 30, 1920, p. 133.

TYPE LOCALITY: White Top Mt., Virginia, 4000 feet.

RANGE: Area bounded by the Stone and Iron Mts. to the west, the Blue Ridge to the east, the Black Mts. to the south, northern plateau of southern Blue Ridge.

Pseudotriton ruber schencki (BRIMLEY)

Spelerpes ruber schencki BRIMLEY

Proc. Biol. Soc. Washington, Vol. 25, Dec. 4, 1912, p. 139, pl. 7, figs. 12, 13, 15, 17, 18, 20-22.

Eurycea rubra schencki STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 20.

TYPE LOCALITY: Sunburst, North Carolina, 3200 feet.

RANGE: Mountains of North Carolina.

Eurycea (GENUS)

RAFINESQUE, Kentucky Gazette, Lexington, N. S., Vol. 1, No. 9,
Feb. 28, 1822, p. 3, column 6

TYPE: *lucifuga*

Eurycea bislineata bislineata (GREEN)

Salamandra bislineata GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 1, Sept. 1818, p. 352.

Eurycea bislineata bislineata DUNN

Proc. Biol. Soc. Washington, Vol. 33, Dec. 30, 1920, p. 134.

Spelerpes bilineatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 163, fig. 40.



TYPE LOCALITY: Western Pennsylvania.

RANGE: Northern New England to Florida, southern Canada,
Lake Superior to Louisiana.

Eurycea bislineata cirrigera (GREEN)

Spelerpes cirrigera GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 6, 1839, p. 253.

Eurycea bislineata cirrigera DUNN

Proc. Biol. Soc. Washington, Vol. 33, Dec. 30, 1920, p. 135.

TYPE LOCALITY: New Orleans, Louisiana.

RANGE: Coastal plain of Gulf States, Alabama to Louisiana.

Eurycea bislineata wilderae DUNN

Eurycea bislineata wilderae DUNN

Proc. Biol. Soc. Washington, Vol. 33, Dec. 30, 1920, p. 134.

TYPE LOCALITY: White Top Mt., Virginia, 4000 feet.

RANGE: The highlands of southern Virginia, North Carolina,
South Carolina, Georgia, Tennessee.

Eurycea gutto-lineata (HOLBROOK)

Salamandra gutto-lineata HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 2, 1838, p. 61, pl. 12.

Eurycea gutto-lineata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 19.

Spelerpes guttolineatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 170, fig. 42.

TYPE LOCALITY: "Carolina in the middle country."

RANGE: Virginia to Georgia, west to Alabama, Mississippi, and
Louisiana.

Eurycea longicauda (GREEN)

Salamandra longicauda GREEN

Journ. Ac. Nat. Sci. Phila., Vol. 1, Sept. 1818, p. 351.

Eurycea longicauda STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 19.

Spelerpes longicaudus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 168, fig. 41.

TYPE LOCALITY: New Jersey (probably near Princeton).

RANGE: New York to Missouri, and Alabama.

Eurycea lucifuga RAFINESQUE

Eurycea lucifuga RAFINESQUE

Kentucky Gazette, Lexington, N. S., Vol. 1, No. 9, Feb. 28, 1822,
p. 3, column 6.

Gyrinophilus maculicaudus COPE

Amer. Nat., Vol. 24, 1890, p. 967.

TYPE LOCALITY: "Caves near Lexington, Kentucky."

RANGE: West Virginia and Tennessee to Missouri, Arkansas and Alabama.

Eurycea melanopleura (COPE)

Spelerpes melanopleurus COPE

Proc. Ac. Nat. Sci. Phila., 1893, p. 383.

Eurycea melanopleura STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 19.

TYPE LOCALITY: Raley's Creek, White River, Missouri.

RANGE: Missouri, Arkansas, and Texas.

Eurycea multiplicata (COPE)

Spelerpes multiplicatus COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 106.

Eurycea multiplicata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 20.

Spelerpes multiplicatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 162, fig. 39.

TYPE LOCALITY: Red River, in eastern Oklahoma.

RANGE: Missouri and Kansas, through Arkansas to Oklahoma, and New Mexico.

Hydromantes (GENUS)

GISTEL, Naturg. Thierr., 1848, p. xi

TYPE: *genei*

Hydromantes platycephala (CAMP)

Spelerpes platycephalus CAMP

Univ. California Publ. Zool., Vol. 17, Sept. 18, 1916, p. 11.

Hydromantes platycephalus DUNN

Proc. N. Engl. Zool. Club, Vol. 8, Feb. 27, 1923, p. 40.

Eurycea platycephala STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 20.

TYPE LOCALITY: Head of Lyell Cañon, the Yosemite National Park, California, 10,800 feet alt.

RANGE: Head of Lyell Cañon, the Yosemite National Park, California, 10,800 feet alt.

Aneides (GENUS)

BAIRD, Iconogr. Encycl., Vol. 2, 1849, Zoöl., p. 257

TYPE: *lugubris*

Aneides aeneus (COPE and PACKARD)

Plethodon aeneus COPE and PACKARD

Amer. Nat., Vol. 15, 1881, p. 878.

Aneides aeneus DUNN

Proc. N. Engl. Zool. Club, Vol. 8, Feb. 27, 1923, p. 39.

Plethodon aeneus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 143, fig. 32.

Plethodon aeneus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 14.

TYPE LOCALITY: Nickajack Cave, southern Tennessee.

RANGE: West Virginia to Tennessee, in the Cumberland Mountains.

Aneides ferreus COPE*Anaides ferreus* COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 109.

Autodax ferreus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 185, fig. 45.

TYPE LOCALITY: Fort Umpqua, Oregon.

RANGE: Northern California to British Columbia.

Aneides iëcanus (COPE)*Plethodon iëcanus* COPE

Proc. Ac. Nat. Sci. Phila., 1883, p. 24.

Aneides iëcanus GRINNELL and CAMP

Univ. California Publ. Zool., Vol. 17, July 11, 1917, p. 135.

Autodax iëcanus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 187, fig. 46.

TYPE LOCALITY: Shasta County, California.

RANGE: Northern California.

Aneides lugubris lugubris (HALLOWELL)*Salamandra lugubris* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 4, 1849, p. 126.

Ancides lugubris BAIRD

Iconogr. Encycl., Vol. 2, 1849, Zoöl., p. 257.

Autodax lugubris COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 183, fig. 44.

TYPE LOCALITY: Monterey, California.

RANGE: California; Coronados Islands, Mexico.

Aneides lugubris farallonensis (VAN DENBURGH)*Autodax lugubris farallonensis* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 3, Zool., Vol. 4, 1905, p. 5, pl. 2.

Ancides lugubris farallonensis GRINNELL and CAMP

Univ. California Publ. Zool., Vol. 17, July 11, 1917, p. 135.

TYPE LOCALITY: South Farallon Island, California.

RANGE: The Farallon Islands.

Desmognathus (*GENUS*)

BAIRD, Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, pp. 282, 285

TYPE: *fuscus*

Desmognathus brimleyorum STEJNEGER

Desmognathus brimleyorum STEJNEGER

Proc. U. S. Nat. Mus., Vol. 17, May 11, 1895, p. 597.

TYPE LOCALITY: Hot Springs, Arkansas.

RANGE: Arkansas and Texas.

Desmognathus fuscus fuscus (RAFINESQUE)

Triturus fuscus RAFINESQUE

Ann. Nat., Lexington, No. 1, March 22, 1820, p. 4.

Desmognathus fuscus BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 285.

Desmognathus fusca fusca COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 194, fig. 48.

TYPE LOCALITY: Northern parts of State of New York.

RANGE: Southern Canada to Georgia, Mississippi, and Illinois.

Desmognathus fuscus auriculatus (HOLBROOK)

Salamandra auriculata HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 3, 1838, p. 115, pl. 28.

Desmognathus fusca auriculata COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 195, fig. 49.

Desmognathus auriculatus BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 286.

TYPE LOCALITY: Riceborough, Georgia.

RANGE: Lowlands from Virginia to Florida and the Gulf States.

Desmognathus ochrophaeus ochrophaeus (COPE)

Desmognathus ochrophaea COPE

Proc. Ac. Nat. Sci. Phila., 1859, p. 124.

Desmognathus ochrophaea COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 191, fig. 47.

TYPE LOCALITY: Susquehanna County, Pennsylvania.

RANGE: Central New York south to the mountains of Maryland.

Desmognathus ochrophaeus carolinensis DUNN

Desmognathus ochrophaea carolinensis DUNN

Proc. Biol. Soc. Washington, Vol. 29, April 4, 1916, p. 74.

TYPE LOCALITY: Mt. Mitchell, North Carolina, over 6500 feet.

RANGE: West Virginia to Georgia (in the mountains).

Desmognathus phoca (MATTHES).

Salamandra phoca MATTHES

Allg. deutsche naturh. Zeitschr., N. S., Vol. 1, 1855, p. 273.

Desmognathus phoca DUNN

Proc. N. Engl. Zool. Club, Vol. 8, Feb. 27, 1923, p. 39.

Desmognathus monticola STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 22.

TYPE LOCALITY: Taylor's Creek near Newport, Kentucky.

RANGE: Appalachian Mt. ranges from Pennsylvania southward.

Desmognathus quadra-maculatus (HOLBROOK)

Salamandra quadra-maculata HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 4, 1840, pl. 27. (The text, p. 121, reads *maculo-quadrata*.)

Desmognathus quadrimaculata STEJNEGER

Proc. U. S. Nat. Mus., Vol. 26, Jan. 29, 1903, p. 557.

TYPE LOCALITY: Georgia and the Carolinas.

RANGE: Virginia to Georgia, in the mountains, 2000–6000 feet.

Leurognathus (GENUS)

MOORE, Proc. Ac. Nat. Sci. Phila., 1899, p. 316

TYPE: *marmorata*

Leurognathus marmorata MOORE

Leurognathus marmorata MOORE

Proc. Ac. Nat. Sci. Phila., 1899, p. 316.

TYPE LOCALITY: South slope Grandfather Mt., North Carolina, 3500 feet.

RANGE: Grandfather and Roan Mountains in North Carolina.

Typhlotriton (GENUS)

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 15, 1892, p. 115

TYPE: *spelaeus*

Typhlotriton spelaeus STEJNEGER

Typhlotriton spelaeus STEJNEGER

Proc. U. S. Nat. Mus., Vol. 15, Aug. 2, 1892, p. 115, pl. 9.

TYPE LOCALITY: Rock House Cave, Missouri.

RANGE: Missouri and Arkansas.

MEANTES (*SUBORDER*)

LINNÉ, Syst. Nat., Ed. 12, Vol. 1, Pt. 2, 1766,
sign. Rrrr 5, Addenda (not paged)

SIRENIDAE (*FAMILY*)Siren (*GENUS*)

LINNÉ, Syst. Nat., Ed. 12, Vol. 1, Pt. 2, 1766,
sign. Rrrr 5, Addenda (not paged)

TYPE: *lacertina*

Siren lacertina LINNÉ

MUD-EEL

Siren lacertina LINNÉ

Syst. Nat., Ed. 12, Vol. 1, Pt. 2, 1766, sign. Rrrr 5, Addenda (not paged).

Siren lacertina COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 226, fig. 57.

TYPE LOCALITY: "Habitat in Carolinae paludosis."

RANGE: Eastern Virginia to Florida, through the Gulf States to the west side of the Rio Grande; Mississippi Valley to Illinois and Indiana; in scattered localities in Arkansas and Missouri.

Pseudobranchus (*GENUS*)

GRAY, Ann. Philos., N. S., Vol. 10, 1825, p. 216

TYPE: *striatus*

Pseudobranchus striatus (LE CONTE)

Siren striata LE CONTE

Ann. Lyc. Nat. Hist. New York, Vol. 1, Pt. 1, 1824, p. 53, pl. 4.

Pseudobranchus striatus GRAY

Ann. Philos., N. S., Vol. 10, 1825, p. 216.

Pseudobranchus striatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 230, fig. 58.

TYPE LOCALITY: Not given, but by inference it was one of the Le Conte plantations in Floyd or Liberty County, Georgia.

RANGE: Swamps of southern South Carolina, lower Georgia, and Florida.

SALIENTIA (*ORDER*)

LAURENTI, Syn. Rept., 1768, p. 24

COSTATA (*SUBORDER*)

LATASTE, Act. Soc. Linn. Bordeaux, Vol. 33, 1879, p. 339

DISCOGLOSSIDAE (*FAMILY*)*Ascaphus* (*GENUS*)

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 21, June 20, 1899, p. 899

TYPE: *truei**Ascaphus truei* STEJNEGER*Ascaphus truei* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 21, June 20, 1899, p. 900, figs. 1-4, pl. 89.

TYPE LOCALITY: Humpulips, Washington.

RANGE: Chehalis County and Pierce County, Washington, Mt. Rainier in the Cascade Range, the Olympic Mountains, and Siskiyou County, California.

LINGUATA (*SUBORDER*)

GRAVENHORST, Thierreich, 1845, p. 43

SCAPHIOPODIDAE (*FAMILY*)*Scaphiopus* (*GENUS*)

HOLBROOK, N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 85

TYPE: *solitarius* = *holbrookii**Scaphiopus couchii* BAIRD*Scaphiopus couchii* BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 62.

Scaphiopus couchii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 301, fig. 75.

TYPE LOCALITY: Rio Nasas, Coahuila, and Matamoros, Tamaulipas, Mexico.

RANGE: Texas to Arizona, northern states of Mexico, Lower California.

Scaphiopus hammondii BAIRD*Scaphiopus hammondii* BAIRDRep. Pacif. R. R. Surv., Vol. 10, Williamson's Route, Pt. 4, No. 4,
1859, p. 12, pl. 28, fig. 2.*Spea hammondii* COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 303, fig. 77.

TYPE LOCALITY: Fort Reading, California.

RANGE: Western and southwestern states from Montana south to
Texas and Mexico, and westward to the Pacific coast states
and northern Lower California.**Scaphiopus holbrookii holbrookii** (HARLAN)

SPADEFoot

Rana holbrookii HARLAN

Med. Phys. Researches, 1835, p. 105.

Scaphiopus holbrookii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 298.

TYPE LOCALITY: South Carolina.

RANGE: Eastern states, Massachusetts to Florida, west to Louisi-
ana, Texas to Arkansas.**Scaphiopus holbrookii albus** (GARMAN)*Scaphiopus albus* GARMAN

Proc. Amer. Assoc. Adv. Sci., Buffalo, 1877, p. 194.

Scaphiopus holbrookii albus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 26.

TYPE LOCALITY: Key West, Florida.

RANGE: Florida Keys and possibly the extreme southern part of
the peninsula of Florida.**Scaphiopus hurterii** STRECKER*Scaphiopus hurterii* STRECKERProc. Biol. Soc. Washington, Vol. 23, July 23, 1910, p. 116, pl. 2,
figs. 3-4.

TYPE LOCALITY: Waco, Texas.

RANGE: Texas.

BUFONIDAE (FAMILY)

Bufo (GENUS)

LAURENTI, Syn. Rept., 1768, p. 25

TYPE: *vulgaris* = *bufo***Bufo alvarius** GIRARD*Bufo alvarius* GIRARD

U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 26, pl. 41, figs. 1-6.



Bufo alvarius COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 265, fig. 62.

TYPE LOCALITY: Valley of the Gila and Colorado Rivers.

RANGE: Southern Arizona and southern California.

Bufo americanus HOLBROOK

AMERICAN TOAD

Bufo americanus HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 75, pl. 2.

Bufo lentiginosus americanus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 284, fig. 70.

TYPE LOCALITY: "From Maine through all the Atlantic States."

RANGE: Eastern North America from Hudson Bay southward.

Bufo boreas boreas (BAIRD and GIRARD)*Bufo boreas* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 174.

Bufo columbiensis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 267, fig. 63.

TYPE LOCALITY: Columbia River and Puget Sound.

RANGE: Colorado north and west to Puget Sound. Also British Columbia and southwestern Alaska to Prince William Sound.

Bufo boreas halophilus (BAIRD and GIRARD)*Bufo halophila* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1853, p. 301.

Bufo boreas halophilus CAMP

Univ. California Publ. Zool., Vol. 17, No. 9, Feb. 3, 1917, p. 116.

Bufo columbiensis halophilus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 269, fig. 64.

TYPE LOCALITY: Benicia, California.

RANGE: Western Nevada, California, and northern Lower California.

Bufo canorus CAMP*Bufo canorus* CAMP

Univ. California Publ. Zool., Vol. 17, No. 6, Nov. 17, 1916, p. 59.

TYPE LOCALITY: Porcupine Flat, Yosemite National Park, California.

RANGE: Region about Porcupine Flat, Yosemite National Park, California.

Bufo cognatus cognatus (SAY)*Bufo cognatus* SAY

Long's Exp. Rocky Mts., Vol. 2, 1823, p. 190.

Bufo cognatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 275, fig. 67.

TYPE LOCALITY: Arkansas River, Prowers Co., Colorado.

RANGE: Arizona, Utah, and Colorado to Texas, Arkansas to Kansas, southern Wyoming, and North Dakota.

Bufo cognatus californicus CAMP*Bufo cognatus californicus* CAMP

Univ. California Publ. Zool., Vol. 12, April 2, 1915, p. 331.

TYPE LOCALITY: Sta. Paula, Ventura Co., California.

RANGE: Southwestern California.

Bufo compactilis WIEGMANN*Bufo compactilis* WIEGMANN

Isis, 1833, p. 661.

Bufo compactilis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 272, fig. 65.

TYPE LOCALITY: Mexico.

RANGE: Northern Mexico, Texas, New Mexico, and Arizona.

Bufo debilis GIRARD*Bufo debilis* GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 87.

Bufo debilis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 264, fig. 61.

TYPE LOCALITY: Lower part of the valley of the Rio Grande, Texas, and in Tamaulipas, Mexico.

RANGE: Colorado south into the northern states of Mexico.

Bufo fowleri GARMAN

FOWLER'S TOAD

Bufo fowleri GARMAN

Bull. Essex Inst., Vol. 16, 1884, p. 42.

Bufo lentiginosus fowleri COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 279, fig. 68.

TYPE LOCALITY: "Manitoba to Winnipeg; Massachusetts."

RANGE: New England and New York, southward to Georgia, west to Michigan and Missouri, but occurring also on the Atlantic and Gulf coastal plain to central Texas. (Not known in peninsular Florida.)

Bufo hemiophrys COPE*Bufo hemiophrys* COPE

Proc. Amer. Philos. Soc., Vol. 23, 1886, p. 515.

Bufo hemiophrys COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 273, fig. 66.

TYPE LOCALITY: Pembina and Turtle Mountains, North Dakota.

RANGE: North Dakota and Manitoba.

Bufo punctatus* BAIRD and GIRARDBufo punctatus* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 173.

Bufo punctatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 262, fig. 60.

TYPE LOCALITY: Rio San Pedro, tributary of the Rio Grande del Norte, Texas.

RANGE: Western Texas, Arizona, Utah, southern California, and Lower California.

Bufo quercicus* HOLBROOKBufo quercicus* HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 4, 1840, p. 109, pl. 22.

Bufo quercicus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 291, fig. 72.

TYPE LOCALITY: Charleston, South Carolina, and Smithville, North Carolina.

RANGE: North Carolina to Alabama and Florida.

Bufo terrestris* BONNATERRE*SOUTHERN TOAD***Bufo terrestris* BONNATERRE

Tabl. Encycl. Méth., Erp., 1789, p. 8.

Bufo lentiginosus lentiginosus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 289, fig. 71.

TYPE LOCALITY: "La Caroline."

RANGE: The Carolinas to Florida, west to the Mississippi.

Bufo valliceps* WIEGMANNBufo valliceps* WIEGMANN

Isis, 1833, p. 657.

Bufo valliceps COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 292, fig. 73.

TYPE LOCALITY: Mexico.

RANGE: Louisiana, Texas south to Costa Rica.

Bufo woodhousii GIRARD*Bufo woodhousii* GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 86.

Bufo lentiginosus woodhousei COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 281, fig. 69.

TYPE LOCALITY: San Francisco Mt., Arizona.

RANGE: Texas to Kansas, Nebraska and Montana, west to Nevada, Arizona, and southeastern California.

HYLIDAE (FAMILY)

Acris (GENUS)

DUMÉRIL and BIBRON, Erp. Gén., Vol. 8, 1841, p. 506

TYPE: *gryllus***Acris gryllus** (LE CONTE)

CRICKET-FROG

Rana gryllus LE CONTE

Ann. Lyc. Nat. Hist., New York, Vol. 1, Pt. 2, 1825, p. 282.

Acris gryllus DUMÉRIL and BIBRON

Erp. Gén., Vol. 8, 1841, p. 507.

Acris gryllus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 324, fig. 82.

TYPE LOCALITY: Not given.

RANGE: Florida to New York in the east; northward through the central valley from Louisiana and Texas to the Canadian Northwest Territories.

Pseudacris (GENUS)

FITZINGER, Syst. Rept., 1843, p. 31

TYPE: *nigrita***Pseudacris feriarum** (BAIRD)*Helocaetes feriarum* BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 60.

Pseudacris feriarum COPE

Proc. Ac. Nat. Sci. Phila., 1862, p. 157.

Chorophilus feriarum COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 339, fig. 86.

TYPE LOCALITY: Carlisle, Pennsylvania.

RANGE: Eastern United States, west to Illinois.

Pseudacris nigrita (LE CONTE)*Rana nigrita* LE CONTE

Ann. Lyc. Nat. Hist., New York, Vol. 1, Pt. 2, 1825, p. 282.

Pseudacris nigrita GÜNTHER

Cat. Batr. Sal. Brit. Mus., 1858, p. 97.

Chorophilus nigrinus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 337, fig. 85.

TYPE LOCALITY: Not given.

RANGE: South Carolina to Mississippi.

Pseudacris occidentalis* (BAIRD and GIRARD)Litoria occidentalis* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1853, p. 301.

Pseudacris occidentalis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 30.

Chorophilus occidentalis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 335, fig. 84.

TYPE LOCALITY: The type was incorrectly stated to have come from San Francisco.

RANGE: Georgia and Florida, west to Arkansas and Texas.

Pseudacris ocularis* (HOLBROOK)Hylodes ocularis* HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 3, 1838, p. 79, pl. 14.

Pseudacris ocularis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 31.

Chorophilus ocularis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 348.

TYPE LOCALITY: South Carolina and Georgia.

RANGE: Southeastern United States.

Pseudacris ornata* (HOLBROOK)Rana ornata* HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1838, p. 97, pl. 16.

Pseudacris ornata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 31.

Chorophilus ornatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 333, fig. 83.

TYPE LOCALITY: Between the Cooper and Ashley Rivers, four miles from Charleston, South Carolina.

RANGE: South Carolina to Florida, west to Texas.

Pseudacris septentrionalis* (BOULENGER)Chorophilus septentrionalis* BOULENGER

Cat. Batr. Sal. Brit. Mus., 1882, p. 335, pl. 23, fig. 1.

Pseudacris septentrionalis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 31.

Hyla canadensis NOBLE

Amer. Mus. Nov., No. 70, Apr. 23, 1923, p. 5.

TYPE LOCALITY: Great Bear Lake, Canada.
RANGE: Canadian northwestern swamp areas.

Pseudacris triseriata (WIED)

Hyla triseriata WIED

Reise Nord-Amer., Vol. 1, Pt. 4, 1838, p. 249.

Pseudacris triseriata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 31.

Chorophilus triseriatus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 342, fig. 87.

TYPE LOCALITY: Mt. Vernon, Ohio River, Indiana.
RANGE: Alleghany Mts. to New Mexico, Arizona, and Idaho.

Hyla (GENUS)

LAURENTI, Syn. Rept., 1768, p. 32

TYPE: *viridis*

Hyla andersonii BAIRD

ANDERSON TREE-FROG

Hyla andersonii BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 60.

Hyla andersonii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 365, fig. 91, pl. 83, fig. 1.

TYPE LOCALITY: Anderson, South Carolina.
RANGE: White cedar swamps in southern New Jersey, and South Carolina.

Hyla arenicolor COPE

Hyla arenicolor COPE

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 6, July, 1866, p. 84.

Hyla arenicolor COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 369, fig. 93.

TYPE LOCALITY: Northern Sonora, Mexico.
RANGE: Most of the southwestern United States from Utah to northern Lower California, east to Texas, and in Mexico south to Guadalajara and Toluca.

Hyla baudinii baudinii (DUMÉRIL and BIBRON)

Hyla baudinii DUMÉRIL and BIBRON

Erp. Gén., Vol. 8, 1841, p. 564.

Smilisca baudinii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 379.

TYPE LOCALITY: Mexico.
RANGE: Central America north to southern Texas.



Hyla cinerea cinerea (SCHNEIDER)*Calamita cinereus* SCHNEIDER

Hist. Amph., Vol. 1, 1799, p. 174.

Hyla cinerea GARMAN

Bull. Ill. State Lab. Nat. Hist., Vol. 3, 1892, p. 349.

Hyla carolinensis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 366, fig. 92.

TYPE LOCALITY: "Inhabits Carolina."

RANGE: Virginia to Florida, west to Texas and northward up the Mississippi Valley to southern Illinois.

Hyla cinerea evittata (MILLER)*Hyla evittata* MILLER

Proc. Biol. Soc. Washington, Vol. 13, 1899, p. 75.

Hyla cinerea evittata DUNN

Copeia, No. 53, 1918, p. 21.

TYPE LOCALITY: Four Mile Run, Virginia (near the City of Washington).

RANGE: Reed beds and lily pools along the Potomac and York Rivers, Virginia, to New Jersey.

Hyla crucifer WIED

SPRING-PEEPEE

Hyla crucifer WIED

Reise Nord-Amer., Vol. 1, Pt. 5, 1838, p. 275.

Hyla pickeringii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 352, fig. 88.

TYPE LOCALITY: Cantonment Leavenworth, "Kansas."

RANGE: New Brunswick to Manitoba, south to South Carolina, Louisiana, Arkansas, and Kansas.

Hyla eximia BAIRD*Hyla eximia* BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 61.

Hyla eximia COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 361.

TYPE LOCALITY: City of Mexico.

RANGE: Mexico and New Mexico.

Hyla femoralis LATREILLE*Hyla femoralis* LATREILLE

Hist. Nat. Rept., Vol. 2, 1802, p. 181.

Hyla femoralis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 371, fig. 94.

TYPE LOCALITY: Carolina.

RANGE: Carolinas to Florida and west to Texas.

Hyla gratiosa LE CONTE

Hyla gratiosa LE CONTE

Proc. Ac. Nat. Sci. Phila., 1856, p. 146, pl. 4.

Hyla gratiosa COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 377, fig. 96, pl. 83, fig. 5.

TYPE LOCALITY: "Lower country of Georgia," evidently one of the Le Conte plantations in Floyd or Liberty County.

RANGE: South Carolina to Florida and Mississippi.

Hyla phaeocrypta (COPE)

Hyla versicolor phaeocrypta COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 375.

Hyla phaeocrypta VIOSCA

Copeia, No. 122, 1923, p. 96.

TYPE LOCALITY: Mt. Carmel, Illinois.

RANGE: Illinois to Louisiana.

Hyla regilla BAIRD and GIRARD

PACIFIC TREE-TOAD

Hyla regilla BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 174.

Hyla regilla COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 355, fig. 89.

TYPE LOCALITY: "Sacramento River, in Oregon and Puget Sound."

RANGE: Vancouver Island and British Columbia to Lower California; Nevada.

Hyla squirella LATREILLE

Hyla squirella LATREILLE

Hist. Nat. Rept., Vol. 2, 1802, p. 181.

Hyla squirella COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 363, fig. 90.

TYPE LOCALITY: Carolina.

RANGE: Virginia to Florida, west to Texas, and northward up the Mississippi basin to Indiana.

Hyla versicolor versicolor (LE CONTE)

TREE-TOAD, RAIN-TOAD

Hyla versicolor LE CONTE

Ann. Lyc. Nat. Hist., New York, Vol. 1, Pt. 2, 1825, p. 281.

Hyla versicolor COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 373, fig. 95.

TYPE LOCALITY: "Northern States."

RANGE: Maine, southern Canada, west to Minnesota, south to the Gulf States (Texas and Arkansas in part only).

Hyla versicolor chrysoscelis (COPE)*Hyla femoralis chrysoscelis* COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 29.

Hyla versicolor chrysoscelis STRECKER

Proc. Biol. Soc. Washington, Vol. 33, 1910, p. 117.

TYPE LOCALITY: Dallas, Texas.

RANGE: Southern Arkansas to east-central Texas.

LEPTODACTYLIDAE (FAMILY)¹*Eleutherodactylus* (GENUS)

DUMÉRIL and BIBRON, *Erp. Gén.*, Vol. 8, 1841, p. 620

TYPE: *martinicensis*

Eleutherodactylus latrans (COPE)*Lithodytes latrans* COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 25.

Eleutherodactylus latrans STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 34.

Lithodytes latrans COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 316, fig. 80.

TYPE LOCALITY: Helotes, Bexar Co., Texas.

RANGE: Texas.

Eleutherodactylus ricordii (DUMÉRIL and BIBRON)*Hylodes ricordii* DUMÉRIL and BIBRON

Erp. Gén., Vol. 8, 1841, p. 623.

Eleutherodactylus ricordii STEJNEGER

Shattuck's Bahama Islands, 1905, p. 331.

Lithodytes ricordii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 318.

TYPE LOCALITY: Cuba.

RANGE: Bahama Islands, Cuba and Florida, north to Brevard County (probably accidentally introduced).

¹ Noble proposes to suppress this family.

Syrrhophus (*GENUS*)

COPE, Amer. Nat., Vol. 12, 1878, p. 253

TYPE: *marnockii***Syrrhophus campi** STEJNEGER*Syrrhophus campi* STEJNEGER

Proc. Biol. Soc. Washington, Vol. 28, June 29, 1915, p. 131.

TYPE LOCALITY: Brownsville, Texas.

RANGE: At present known from the type locality only.

Syrrhophus marnockii COPE*Syrrhophus marnockii* COPE

Amer. Nat., Vol. 12, 1878, p. 253.

Syrrhophus marnockii COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 318, fig. 81.

TYPE LOCALITY: Near San Antonio, Texas.

RANGE: Known from type locality only.

RANIDAE (*FAMILY*)**Rana** (*GENUS*)

LINNÉ, Syst. Nat., Ed. 10, Vol. 1, 1758, p. 210

TYPE: *temporaria***Rana aesopus** (COPE)

GOPHER-FROG

Rana areolata aesopus COPE

Proc. Amer. Philos. Soc., Vol. 23, Dec. 1886, p. 517.

Rana aesopus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 36.

Rana areolata aesopus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 412.

TYPE LOCALITY: Micanopy, Florida.

RANGE: Florida northward into South Carolina.

Rana areolata BAIRD and GIRARD*Rana areolata* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 173.

Rana areolata COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 409, fig. 103.

TYPE LOCALITY: Indianola, Texas.

RANGE: Georgia, Texas, Missouri, Indiana, and Illinois.

Rana aurora aurora (BAIRD and GIRARD)

Rana aurora BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 174.

Rana aurora aurora CAMP

Univ. California Publ. Zool., Vol. 17, 1917, p. 123.

Rana agilis aurora COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 439, fig. 113.

TYPE LOCALITY: Puget Sound.

RANGE: California to Washington, Vancouver Island.

Rana aurora draytonii (BAIRD and GIRARD)

Rana draytonii BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 174.

Rana aurora draytonii CAMP

Univ. California Publ. Zool., Vol. 17, No. 9, Feb. 3, 1917, p. 115.

Rana draytoni draytoni COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 441, fig. 114.

TYPE LOCALITY: San Francisco, and the Columbia River.

RANGE: Oregon, California, and Lower California.

Rana boylei boylei (BAIRD)

Rana boylei BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 62.

Rana boylei boylei CAMP

Univ. California Publ. Zool., Vol. 17, No. 9, Feb. 3, 1917, p. 117.

Rana boylei COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 444, fig. 115.

TYPE LOCALITY: El Dorado County, California.

RANGE: California and southwestern Oregon.

Rana boylei muscosa CAMP

Rana boylei muscosa CAMP

Univ. California Publ. Zool., Vol. 17, No. 9, Feb. 3, 1917, p. 118.

TYPE LOCALITY: Arroyo Seco Cañon, at about 1300 feet altitude, near Pasadena, California.

RANGE: California: San Gabriel, San Bernardino, and San Jacinto Mountains.

Rana boylei sierrae CAMP

Rana boylei sierrae CAMP

Univ. California Publ. Zool., Vol. 17, No. 9, Feb. 3, 1917, p. 120.

TYPE LOCALITY: Matlack Lake, Sierra Nevada, Inyo Co., California, 10,500 feet altitude.

RANGE: Southern half of Sierra Nevada, above 7000 feet altitude, California.

Rana cantabrigensis BAIRD*Rana cantabrigensis* BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 62.

Rana cantabrigensis cantabrigensis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 436, fig. 110.

Rana cantabrigensis latiremis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 37.

TYPE LOCALITY: Cambridge, Mass. (in errore).

RANGE: Alaska, through the lowlands eastward to Michigan.

Rana catesbeiana SHAW

BULLFROG

Rana catesbeiana SHAW

Gen. Zool., Vol. 3, Pt. 1, 1802, p. 106, pl. 33.

Rana catesbeiana COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 424, fig. 108.

TYPE LOCALITY: Shaw evidently knew of the Bull Frog, principally from Catesby, but he speaks of it only as being North American and apparently saw no actual specimens himself.

RANGE: Widespread in North America, east of the Rocky Mountains.

Rana clamitans LATREILLE

GREEN FROG, SPRING-FROG

Rana clamitans LATREILLE

Hist. Nat. Rept., Vol. 2, 1802, p. 157.

Rana clamata COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 419, fig. 107.

TYPE LOCALITY: Charleston, South Carolina.

RANGE: Eastern North America, Canada to Florida and Louisiana, west to Michigan, Illinois and Arkansas.

Rana grylio STEJNEGER*Rana grylio* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 24, Oct. 4, 1901, p. 212.

TYPE LOCALITY: Bay St. Louis, Mississippi.

RANGE: Southern Mississippi to peninsular Florida.

Rana onca COPE*Rana onca* COPE

in Wheeler's Rep. Expl. W. 100th Mer., Vol. 5, Zool., 1875, p. 528, pl. 25, figs. 1-3.

Rana draytoni onca COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 443.

TYPE LOCALITY: Utah.
RANGE: Utah and Nevada.

Rana palustris LE CONTE

PICKEREL-FROG

Rana palustris LE CONTE

Ann. Lyc. Nat. Hist., New York, Vol. 1, Pt. 2, 1825, p. 282.

Rana palustris COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 406, fig. 102.

TYPE LOCALITY: Not given.

RANGE: Hudson Bay south to Arkansas and Louisiana and all of the Eastern States.

Rana pipiens SCHREBER

LEOPARD-FROG

Rana pipiens SCHREBER

Naturforscher, Vol. 18, 1782, p. 185, pl. 4.

Rana virescens COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 397.

TYPE LOCALITY: Pennsylvania.

RANGE: North America, east of the Sierra Nevada southward into Mexico.

Rana pretiosa pretiosa (BAIRD and GIRARD)

Rana pretiosa BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1853, p. 378.

Rana temporaria pretiosa COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 432, fig. 110.

TYPE LOCALITY: Puget Sound, Washington.

RANGE: Utah and Montana west to the Pacific coast, California to British Columbia.

Rana pretiosa luteiventris THOMPSON

Rana pretiosa luteiventris THOMPSON

Proc. Biol. Soc. Washington, Vol. 26, March 22, 1913, p. 53.

TYPE LOCALITY: Anne Creek, Elko Co., Nevada.

RANGE: Eureka and Elko Counties, Nevada.

Rana septentrionalis BAIRD

MINK-FROG

Rana septentrionalis BAIRD

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 61.

Rana septentrionalis COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 416, fig. 106, pl. 86.

TYPE LOCALITY: Northern Minnesota.

RANGE: Northern New England and northern New York, west through Michigan to Minnesota, Canada northward to Hudson Bay.

***Rana sphenocephala* (COPE)**

SOUTHERN LEOPARD-FROG

Rana halecina sphenocephala COPE

Proc. Amer. Philos. Soc., Vol. 23, Dec. 1886, p. 517.

Rana sphenocephala STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 39.

Rana virescens sphenocephala COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 399, fig. 99.

TYPE LOCALITY: Near St. John's River, Florida.

RANGE: Southeastern States.

***Rana sylvatica* LE CONTE**

WOOD-FROG

Rana sylvatica LE CONTE

Ann. Lyc. Nat. Hist., New York, Vol. 1, Pt. 2, 1825, p. 282.

Rana silvatica COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 447, fig. 115.

TYPE LOCALITY: Not stated.

RANGE: Quebec and Nova Scotia to South Carolina, westward to southern Ontario and Ohio.

***Rana virgatipes* COPE**

SPHAGNUM-FROG

Rana virgatipes COPE

Amer. Nat., Vol. 30, 1891, p. 1017.

TYPE LOCALITY: Near Atlantic City, New Jersey.

RANGE: New Jersey to the Okefinokee Swamp, Georgia.

BREVICIPITIDAE (FAMILY)

Gastrophryne (GENUS)

FITZINGER, Syst. Rept., 1843, p. 33

TYPE: *rugosa* = *carolinensis*

***Gastrophryne areolata* (STRECKER)**

Engystoma areolata STRECKER

Proc. Biol. Soc. Washington, Vol. 22, June 25, 1909, p. 118.

Gastrophryne areolata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 40.

TYPE LOCALITY: Guadalupe River bottom, Victoria, Victoria Co., Texas.

RANGE: Southeastern Texas.

Gastrophryne carolinensis (HOLBROOK)

Engystoma carolinense HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 83, pl. 11.

Gastrophryne carolinensis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 40.

Engystoma carolinense (part) COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 385, fig. 97.

TYPE LOCALITY: Charleston, South Carolina.

RANGE: Virginia to Florida, Gulf States to Texas, northward through central valley to southern Indiana.

Gastrophryne texensis (GIRARD)

Engystoma texense GIRARD

Proc. Ac. Nat. Sci. Phila., 1859, p. 169.

Gastrophryne texensis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 40.

Engystoma carolinense (part) COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 385.

TYPE LOCALITY: Rio Seco, Texas.

RANGE: Texas.

Hypopachus (GENUS)

KEFERSTEIN, Nachr. Ges. Wiss. Göttingen, July 24, 1867, p. 351

TYPE: *seebachii* = *variolosus*

Hypopachus cuneus COPE

Hypopachus cuneus COPE

Proc. U. S. Nat. Mus., Vol. 11, July 5, 1889, p. 395.

Hypopachus cuneus COPE

Bull. U. S. Nat. Mus., No. 34, 1889, p. 388, fig. 98.

TYPE LOCALITY: San Diego, Duval Co., Texas.

RANGE: Southern Texas.

REPTILIA (*CLASS*)

LAURENTI, Syn. Rept., 1768, p. 19

DIAPSIDA (*SUBCLASS*)

OSBORN, Science, N. S., Vol. 17, Feb. 13, 1903, p. 276

LORICATA (*ORDER*)

MERREM, Syst. Amph., 1820, p. 34

CROCODYLIDAE (*FAMILY*)**Crocodylus** (*GENUS*)

LAURENTI, Syn. Rept., 1768, p. 53

TYPE: *niloticus* = *Lacerta crocodilus* LINNÉ in part**Crocodylus acutus** CUVIER**CROCODILE***Crocodylus acutus* CUVIER

Ann. Mus. Hist. Nat. Paris, Vol. 10, 1807, p. 55, pl. 1, fig. 3, pl. 2, fig. 5.

Crocodylus americanus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 173, fig. 2.

TYPE LOCALITY: San Domingo.

RANGE: Southern Florida, the Greater Antilles (except Porto Rico), both coasts of Central America from Mexico to Ecuador and Colombia.

Alligator (*GENUS*)

CUVIER, Ann. Mus. Hist. Nat. Paris, Vol. 10, 1807, p. 25

TYPE: *lucius* = *Lacerta alligator* BLUMENBACH, 1788, in part = *mississippiensis***Alligator mississippiensis** (DAUDIN)**ALLIGATOR***Crocodylus mississippiensis* DAUDIN

Hist. Nat. Rept., Vol. 2, 1803, p. 412.

Alligator mississippiensis [sic] GRAY

Syn. Rept., 1831, p. 62.

Alligator mississippiensis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 168, fig. 1.

TYPE LOCALITY: "Les bords du Mississippi."

RANGE: Rivers and swamps of the lowlands of the Carolinas, Georgia and Florida, west to Louisiana, Mississippi and westward to the Rio Grande in Texas.

SQUAMATA (*ORDER*)

OPPEL, Ordn. Rept., 1811, p. 14

SAURIA (*SUBORDER*)

MACARTNEY, in Ross's Transl. Cuvier's Lect. Comp. Anat., 1802, Vol. 1, table 3

GEKKONIDAE (*FAMILY*)*Hemidactylus* (*GENUS*)

OKEN, Isis, 1817, p. 1183

TYPE: "*Gecko tuberculeaux* DAUDIN" = *mabouia**Hemidactylus turcicus* (LINNÉ)*Lacerta turcica* LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 202.

Hemidactylus turcicus BOETTGER

Ber. Offenbach. Ver. Naturk., 1876, p. 57.

TYPE LOCALITY: In Oriente.

RANGE: Borders of Red and Mediterranean Seas, northwestern India, Key West.¹*Phyllodactylus* (*GENUS*)

GRAY, Spicileg. Zool., 1830, p. 3

TYPE: *pulcher**Phyllodactylus tuberculosus* WIEGMANN*Phyllodactylus tuberculosus* WIEGMANN

Nova Acta Ac. Leopold.-Carol., Vol. 17, 1835, p. 241, pl. 18, figs. 2-2a.

Phyllodactylus tuberculosus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 458, fig. 83.

TYPE LOCALITY: "Californien."

RANGE: Ecuador to Lower California and extreme southern California.

¹ Accidentally introduced and possibly not established.

Phyllodactylus unctus (COPE)*Diplodactylus unctus* COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 102.

Phyllodactylus (Diplodactylus) unctus BOCOURT

Miss. Sci. Mex., Rept., Pt. 2, 1873, p. 43.

Phyllodactylus unctus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 460, fig. 84.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Peninsula of Lower California.

Sphaerodactylus (GENUS)

WAGLER, Syst. Amph., 1830, p. 143

TYPE: *sputator***Sphaerodactylus cinereus WAGLER***Sphaerodactylus cinereus* WAGLER

Syst. Amph., 1830, p. 143.

TYPE LOCALITY: Haiti.

RANGE: Haiti, Cuba, Isla de Pinos, Key West.¹**Sphaerodactylus notatus BAIRD***Sphaerodactylus notatus* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 254.

Sphaerodactylus notatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 462, fig. 85.

TYPE LOCALITY: Key West, Florida.

RANGE: Bahama Islands, Cuba, also southern Florida and the Keys (perhaps introduced by commerce).

Coleonyx (GENUS)

GRAY, Ann. Mag. Nat. Hist., Vol. 16, 1845, p. 162

TYPE: *elegans***Coleonyx brevis STEJNEGER***Coleonyx brevis* STEJNEGER

N. Amer. Fauna, No. 7, 1893, p. 163.

Eublepharis variegatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), fig. 86.

TYPE LOCALITY: Helotes, Bexar Co., Texas.

RANGE: Texas.

¹ Recently introduced accidentally.

Coleonyx variegatus (BAIRD)*Stenodactylus variegatus* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 254.

Coleonyx variegatus COPE

Proc. Ac. Nat. Sci. Phila., 1866, p. 125.

Eublepharis variegatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 466.

TYPE LOCALITY: Rio Grande and Gila Valleys.

RANGE: Texas to California, and northern Lower California, southwestern Utah.

IGUANIDAE (FAMILY)**Anolis (GENUS)**

DAUDIN, Hist. Nat. Rept., Vol. 4, 1803, p. 50

TYPE: *bullaris* = *carolinensis***Anolis carolinensis VOIGT**

"CHAMELEON," ANOLIS

Anolius carolinensis VOIGT

Cuvier's Thierreich, Vol. 2, 1832, p. 71.

Anolis carolinensis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 233, fig. 16.

TYPE LOCALITY: Carolina.

RANGE: North Carolina to Florida, westward through the Gulf region to the Rio Grande.

Ctenosaura (GENUS)

WIEGMANN, Isis, 1828, p. 371

TYPE: *cycluroides***Ctenosaura hemilopha COPE***Cyclura (Ctenosaura) hemilopha* COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 105.

Ctenosaura hemilopha COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 238, fig. 17.

TYPE LOCALITY: Cape St. Lucas, Lower California

RANGE: Cape region of Lower California, north to San Esteban Island.

Ctenosaura multispinis COPE*Ctenosaura multispinis* COPE

Proc. Amer. Philos. Soc., Vol. 23, 1885, p. 267.

Ctenosaura multispinis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 240.

TYPE LOCALITY: Dondomingvillo [sic] = Dondomuiguillo, Oaxaca and Batopilas, Chihuahua.

RANGE: Mexico probably northward to southern Arizona.

Dipso-saurus (*GENUS*)

HALLOWELL, Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 92

TYPE: *dorsalis*

Dipso-saurus carmenensis VAN DENBURGH

Dipsosaurus carmenensis VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 10, Nov. 23, 1922, p. 81.

TYPE LOCALITY: Carmen Island, Gulf of California.

RANGE: Carmen and Coronado Islands, Lower California.

Dipso-saurus catalinensis VAN DENBURGH

Dipsosaurus catalinensis VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 10, Nov. 23, 1922, p. 83.

TYPE LOCALITY: Santa Catalina Island, Gulf of California.

RANGE: Same.

Dipso-saurus dorsalis dorsalis (BAIRD and GIRARD)

Crotaphytus dorsalis BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 126.

Dipso-saurus dorsalis HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 92.

Dipsosaurus dorsalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 243, fig. 18.

TYPE LOCALITY: Colorado Desert, California.

RANGE: Colorado and Mojave Deserts, east to the Colorado River.

Dipso-saurus dorsalis lucasensis VAN DENBURGH

Dipsosaurus dorsalis lucasensis VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 33.

TYPE LOCALITY: San José del Cabo, Lower California.

RANGE: Cape region of Lower California.

Crotaphytus (*GENUS*)

HOLBROOK, N. Amer. Herp., Ed. 2, Vol. 2, 1842, p. 79

TYPE: *collaris*

Crotaphytus collaris collaris (SAY)

COLLARED LIZARD, MOUNTAIN BOOMER

Agama collaris SAY

Long's Exp. Rocky Mts., Vol. 2, 1823, p. 252.

Crotaphytus collaris HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 2, 1842, p. 79, pl. 10.

Crotaphytus collaris (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 248.

TYPE LOCALITY: Verdigris River near its union with the Arkansas River, Oklahoma.

RANGE: Arkansas south to middle-western and northwestern Texas and west to eastern New Mexico.

Crotaphytus collaris baileyi (STEJNEGER)*Crotaphytus baileyi* STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 103, pl. 12, fig. 1.

Crotaphytus collaris baileyi STONE

Proc. Ac. Nat. Sci. Phila., 1903, p. 30.

Crotaphytus collaris (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 250, fig. 19.

TYPE LOCALITY: Painted Desert, Arizona.

RANGE: Southwestern Texas, southern and western New Mexico, Arizona, Utah, Nevada, Idaho, southeastern California, northern Mexico, and Lower California.

Crotaphytus dickersonae SCHMIDT*Crotaphytus dickersonae* SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 638, fig. 2.

TYPE LOCALITY: Tiburon Island, Gulf of California.

RANGE: Same.

Crotaphytus insularis VAN DENBURGH and SLEVIN*Crotaphytus insularis* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 96.

TYPE LOCALITY: Angel de la Guarda Island, Lower California.

RANGE: Same.

Crotaphytus reticulatus BAIRD*Crotaphytus reticulatus* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 253.

Crotaphytus reticulatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 254, fig. 20.

TYPE LOCALITY: Laredo and Ringgold Barracks, Texas.

RANGE: Extreme southwestern Texas.

Crotaphytus silus STEJNEGER*Crotaphytus silus* STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 105.

Crotaphytus wislizenii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 255.

TYPE LOCALITY: Fresno, California.

RANGE: San Joaquin Valley, California, Washington.

Crotaphytus wislizenii BAIRD and GIRARD

LEOPARD-LIZARD

Crotaphytus wislizenii BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, p. 340, pl. 3.

Crotaphytus wislizenii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 255, fig. 21.

TYPE LOCALITY: Near Santa Fé, New Mexico.

RANGE: Northern Idaho, Nevada and Utah, southward into Mexico, Lower and southern California.

Sauromalus (GENUS)

DUMÉRIL, Arch. Mus. Hist. Nat. Paris, Vol. 8, 1856, p. 535

TYPE: *ater*

Sauromalus ater DUMÉRIL

CHUCK-WALLA

Sauromalus ater DUMÉRIL

Arch. Mus. Hist. Nat. Paris, Vol. 8, 1856, p. 536, pl. 23, fig. 3.

TYPE LOCALITY: Unknown.

RANGE: Southern Lower California and Espiritu Santo Island.

Sauromalus hispidus STEJNEGER

Sauromalus hispidus STEJNEGER

Proc. U. S. Nat. Mus., Vol. 14, Oct. 27, 1891, p. 409.

Sauromalus hispidus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 264, fig. 22.

TYPE LOCALITY: Angel de la Guarda Island, Gulf of California.

RANGE: Same as type locality.

Sauromalus obesus (BAIRD)

Euphryne obesus BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 253.

Sauromalus obesus SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 641.

Sauromalus ater COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 266, fig. 23.

TYPE LOCALITY: Fort Yuma, Arizona.

RANGE: Southern Nevada, southwestern Utah, Arizona, southern California, and northern Lower California.

Sauromalus slevini VAN DENBURGH*Sauromalus slevini* VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 10, Nov. 23, 1922, p. 97.

TYPE LOCALITY: Monserrate Island, Gulf of California.

RANGE: Monserrate, Carmen, and Coronado Islands, Lower California.

Sauromalus townsendi DICKERSON*Sauromalus townsendi* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 464.

TYPE LOCALITY: Tiburon Island, Gulf of California.

RANGE: Tiburon Island and possibly adjacent coast region of Sonora, Mexico.

Sauromalus varius DICKERSON*Sauromalus varius* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 464.

TYPE LOCALITY: San Esteban Island, Gulf of California.

RANGE: Same.

Callisaurus (*GENUS*)

BLAINVILLE, Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 286

TYPE: *draconoides***Callisaurus crinitus** COPE*Callisaurus crinitus* COPE

Amer. Nat., Vol. 30, Dec. 5, 1896, p. 1049.

TYPE LOCALITY: Ballenas Bay, Lower California.

RANGE: Ballenas Bay and San Bartolomé Bay, Lower California.

Callisaurus draconoides BLAINVILLE*Callisaurus draconoides* BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 286, pl. 24, fig. 2.

Callisaurus draconoides draconoides COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 270, fig. 24.

TYPE LOCALITY: California.

RANGE: Southern Lower California.

Callisaurus splendidus DICKERSON*Callisaurus splendidus* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 467.

TYPE LOCALITY: Angel de la Guarda Island, Lower California.

RANGE: Same.

Callisaurus ventralis ventralis (HALLOWELL)**GRIDIRON-TAILED LIZARD***Homalosaurus ventralis* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 179.

Callisaurus ventralis BAIRD

U. S. Mex. Bound. Surv., Vol. 1, Pt. 2, 1859, Rept., p. 8.

Callisaurus draconoides ventralis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 272, fig. 25.

TYPE LOCALITY: New Mexico west of Rio Grande.

RANGE: Texas to California, north to Nevada, southward to Mexico at least to Guaymas.

Callisaurus ventralis gabbii COPE*Callisaurus ventralis gabbii* COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 272.

TYPE LOCALITY: Northern Lower California.

RANGE: Lower California, deserts of southern California and adjacent deserts in Arizona.

Callisaurus ventralis inusitatus (DICKERSON)*Callisaurus inusitatus* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 465.

TYPE LOCALITY: Tiburon Island, Gulf of California.

RANGE: Tiburon Island and region about Guaymas, Mexico.

Callisaurus ventralis myurus RICHARDSON*Callisaurus ventralis myurus* RICHARDSON

Proc. U. S. Nat. Mus., Vol. 48, Jan. 19, 1915, p. 408.

TYPE LOCALITY: Pyramid Lake Indian Agency, Nevada.

RANGE: Region about Pyramid Lake, Nevada.

Uma (GENUS)

BAIRD, Proc. Ac. Nat. Sci. Phila., 1858, p. 253

TYPE: *notata***Uma notata** BAIRD*Uma notata* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 253.

Uma notata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 277, fig. 27.

TYPE LOCALITY: Mojave Desert, California.

RANGE: Yuma and Mojave Deserts.

Holbrookia (GENUS)

GIRARD, Proc. Amer. Assoc. Adv. Sci., New Haven, Vol. 4, 1851, p. 201

TYPE: *maculata*

Holbrookia elegans BOCOURT

Holbrookia elegans BOCOURT

Miss. Sci. Mex., Rept., 1874, p. 164, pl. 27 bis, figs. 8-8a.

TYPE LOCALITY: Mazatlan, Mexico.

RANGE: Western Mexico from Sinaloa northward to Tucson, Arizona.

Holbrookia maculata maculata (GIRARD)

Holbrookia maculata GIRARD

Proc. Amer. Assoc. Adv. Sci., New Haven, Vol. 4, 1851, p. 201.

Holbrookia maculata maculata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 293, fig. 33.

TYPE LOCALITY: Opposite Grand Island, Platte River, Colorado.

RANGE: Northern Texas west to Arizona and northward to Wyoming and Nebraska.

Holbrookia maculata approximans (BAIRD)

Holbrookia approximans BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 253.

Holbrookia maculata approximans STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 109.

Holbrookia maculata approximans COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 297.

TYPE LOCALITY: "Lower Rio Grande."

RANGE: Southern New Mexico and Arizona, south into northern Mexico.

Holbrookia maculata campi SCHMIDT

Holbrookia maculata campi SCHMIDT

Amer. Mus. Nov., No. 22, Dec. 1, 1921, p. 1.

TYPE LOCALITY: Eight miles northwest of Adamana, Apache Co., Arizona.

RANGE: Southern part of the Colorado plateau in northern Arizona, possibly east into New Mexico but not north to Utah.

Holbrookia maculata flavilenta COPE

Holbrookia maculata flavilenta COPE

Proc. Ac. Nat. Sci. Phila., 1888, p. 10.

Holbrookia maculata flavilenta COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 298, fig. 34.

TYPE LOCALITY: Lake Valley, southern New Mexico.

RANGE: Southern New Mexico, southern and western Arizona.

Holbrookia maculata lacerata (COPE)*Holbrookia lacerata* COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 15.

Holbrookia maculata lacerata STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 109.

Holbrookia maculata lacerata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 292, fig. 32.

TYPE LOCALITY: Texas: Erath County; west of the Upper Brazos, Comanche County; on the Guadalupe River in Kendall or Comal County.

RANGE: Texas, middle district east of the plains and west of the timbered region, from the northern boundary south to the Rio Grande.

Holbrookia propinqua BAIRD and GIRARD*Holbrookia propinqua* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 126.

Holbrookia propinqua COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 289, fig. 31.

TYPE LOCALITY: Between Indianola and San Antonio, Texas.

RANGE: Texas.

Holbrookia pulchra SCHMIDT*Holbrookia pulchra* SCHMIDT

Amer. Mus. Nov., No. 22, Dec. 1, 1921, p. 1.

TYPE LOCALITY: Carr Cañon, Huachuca Mts., Arizona.

RANGE: Huachuca Mts., east of Nogales, Arizona.

Holbrookia texana (TROSCHER)*Cophosaurus texanus* TROSCHER

Arch. Naturg., Jahrg. 16, Vol. 1, 1850 (1852), p. 389, pl. 6.

Holbrookia texana BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 124.

Holbrookia texana COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 286, fig. 30.

TYPE LOCALITY: The German colony of Neubraunfels, on the Guadalupe River in western Texas, Lat. 28° N.

RANGE: Texas and eastern New Mexico.

Uta (*GENUS*)

BAIRD and GIRARD, Stansbury's Expl. Surv. Vall.
Great Salt Lake, 1852, p. 345

TYPE: *stansburiana*

Uta auriculata COPE

Uta auriculata COPE

Proc. Boston Soc. Nat. Hist., Vol. 14, 1871, p. 303.

TYPE LOCALITY: Socorro Island, Revilla Gigedo Archipelago,
Mexico.

RANGE: The type locality.

Uta clarionensis TOWNSEND

Uta clarionensis TOWNSEND

Proc. U. S. Nat. Mus., Vol. 13, Sept. 9, 1890, p. 143.

TYPE LOCALITY: Clarion Island, Revilla Gigedo Archipelago,
Mexico.

RANGE: Same as type locality.

Uta concinna DICKERSON

Uta concinna DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 470.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Cerros and Natividad Islands, Lower California.

Uta elegans YARROW

Uta elegans YARROW

Proc. U. S. Nat. Mus., Vol. 5, Sept. 29, 1882, p. 442.

Uta stansburiana elegans RICHARDSON

Proc. U. S. Nat. Mus., Vol. 48, Jan. 19, 1915, p. 413.

TYPE LOCALITY: La Paz, Lower California.

RANGE: Southern Lower California.

Uta graciosa (HALLOWELL)

Urosaurus graciosus HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 92.

Uta graciosa BAIRD

U. S. Mex. Bound. Surv., Vol. 2, Pt. 2, 1859, Rept., p. 7.

Uta graciosa COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 325, fig. 46.

TYPE LOCALITY: "Lower California" — with the intention of
saying southern California.

RANGE: Southern California, southwestern Arizona, southern
Nevada, and northeastern Lower California.

Uta levis STEJNEGER*Uta levis* STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 108.

Uta levis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 313, fig. 40.

Uta wrighti SCHMIDT

Amer. Mus. Nov., No. 22, Dec. 1, 1921, p. 3.

TYPE LOCALITY: Tierra Amarilla, New Mexico.

RANGE: New Mexico.

Uta mannophorus DICKERSON*Uta mannophorus* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 470.

TYPE LOCALITY: Carmen Island, Gulf of California.

RANGE: Same.

Uta martinensis VAN DENBURGH*Uta martinensis* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 3, Zool., Vol. 4, 1905, p. 18, pl. 6.

TYPE LOCALITY: San Martin Island, Lower California.

RANGE: San Martin Island.

Uta mearnsi STEJNEGER*Uta mearnsi* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 17, Nov. 30, 1894, p. 589.

Uta mearnsii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 304, fig. 37.

TYPE LOCALITY: Summit of the Coast Range, Mexican boundary of California.

RANGE: Boundary region of southern and Lower California.

Uta microscutata VAN DENBURGH*Uta microscutata* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 4, 1894, p. 298.

Uta parviscutata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 324, fig. 45.

TYPE LOCALITY: San Pedro Martir Mountains, Lower California.

RANGE: Northern Lower California and San José Island, Lower California.

Uta nigricauda COPE*Uta nigricauda* COPE

Proc. Ac. Nat. Sci. Phila., 1864, p. 176.

Uta nigricauda COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 322, fig. 44.



TYPE LOCALITY: Cape St. Lucas, Lower California.
RANGE: Southern Lower California.

***Uta nolascentis* VAN DENBURGH and SLEVIN**

Uta nolascentis VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 395.

TYPE LOCALITY: San Pedro Nolasco Island, Lower California.
RANGE: Same.

***Uta ornata ornata* (BAIRD and GIRARD)**

Uta ornata BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 126.

Uta ornata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 315, fig. 41.

TYPE LOCALITY: Rio San Pedro, Texas, and Sonora.
RANGE: Utah, Nevada, western Texas west to southern California, northern Mexico.

***Uta ornata symmetrica* (BAIRD)**

Uta symmetrica BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 253.

Uta symmetrica COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 317, fig. 42.

TYPE LOCALITY: Fort Yuma, Arizona.
RANGE: Colorado Desert and Colorado River Valley.

***Uta palmeri* STEJNEGER**

Uta palmeri STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 106.

Uta palmerii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 313, fig. 39.

TYPE LOCALITY: San Pedro Martir Island, Gulf of California.
RANGE: San Pedro Martir Island, Gulf of California.

***Uta repens* VAN DENBURGH**

Uta repens VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 102, pl. 7-8, figs. a-e.

Uta repens COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 303, fig. 36.

TYPE LOCALITY: Comondú, Lower California.
RANGE: Lower California.

Uta slevini VAN DENBURGH*Uta slevini* VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 10, Nov. 23, 1922, p. 194.

TYPE LOCALITY: Mejia Island, Gulf of California.

RANGE: Angel de la Guarda Island and Mejia Island, Lower California.

Uta squamata DICKERSON*Uta squamata* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 471.

TYPE LOCALITY: Santa Catalina Island, Gulf of California.

RANGE: Same.

Uta stansburiana stansburiana (BAIRD and GIRARD)*Uta stansburiana* BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, p. 345, pl. 5, figs. 4-6.

Uta stansburiana COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 306, fig. 38.

TYPE LOCALITY: Salt Lake Valley.

RANGE: Parts of Utah, Idaho, Nevada, and southern California.

Uta stansburiana hesperis RICHARDSON*Uta stansburiana hesperis* RICHARDSON

Proc. U. S. Nat. Mus., Vol. 48, Jan. 19, 1915, p. 415.

TYPE LOCALITY: Arroyo Seco Cañon, near Pasadena, Los Angeles Co., California.

RANGE: Coast region of southern California.

Uta stansburiana stejnegeri SCHMIDT*Uta stansburiana stejnegeri* SCHMIDT

Amer. Mus. Nov., No. 15, 1921, p. 1.

TYPE LOCALITY: Mouth of Dry Cañon, Alamogordo, Otero Co., New Mexico.

RANGE: Western Texas and northern Mexico through New Mexico and Arizona to the Coast Range in California; northeastern Lower California; Angel de la Guarda Island.

Uta stellata VAN DENBURGH*Uta stellata* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 3, Zool., Vol. 4, 1905, p. 21, pl. 8.

TYPE LOCALITY: San Benito Island, Lower California.

RANGE: The type locality.

Uta thalassina COPE*Uta thalassina* COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 104.

Uta thalassina COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 301, fig. 35.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern Lower California.

Sator (*GENUS*)

DICKERSON, Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 468

TYPE: *grandaevus***Sator angustus** DICKERSON*Sator angustus* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 469.

TYPE LOCALITY: Santa Cruz Island, Gulf of California.

RANGE: Same.

Sator grandaevus DICKERSON*Sator grandaevus* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 469.

TYPE LOCALITY: Cerralvo Island, Gulf of California.

RANGE: Same.

Sceloporus (*GENUS*)

WIEGMANN, Isis, 1828, p. 369

TYPE: *torquatus***Sceloporus clarkii** BAIRD and GIRARD*Sceloporus clarkii* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 127.

Sceloporus clarkii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 358, fig. 54.

TYPE LOCALITY: Sonora.

RANGE: New Mexico, Arizona, and northern Mexico.

Sceloporus consobrinus consobrinus (BAIRD and GIRARD)*Sceloporus consobrinus* BAIRD and GIRARD

Marcy's Expl. Red River, 1853, Rept., p. 237, Zool., pl. 10, figs. 5-12.

Sceloporus undulatus consobrinus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 377, fig. 60.

TYPE LOCALITY: Oklahoma, Roger Mills Co., Red River.

RANGE: The Dakotas, southward to Texas and westward to California.

Sceloporus consobrinus garmani (BOULENGER)*Sceloporus garmani* BOULENGER

Proc. Zool. Soc. London, 1882, p. 761, pl. 56.

Sceloporus consobrinus garmani STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 53.

TYPE LOCALITY: Near Pine Ridge, South Dakota.

RANGE: Region about type locality.

Sceloporus couchii BAIRD*Sceloporus couchii* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 254.

Lysoptychus lateralis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 329, fig. 47.

Sceloporus couchii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 395, fig. 66.

TYPE LOCALITY: Santa Caterina, Nuevo Leon, Mexico.

RANGE: Northern Mexico to southern Texas.

Sceloporus disparilis STEJNEGER*Sceloporus disparilis* STEJNEGER

Proc. Biol. Soc. Washington, Vol. 29, Dec. 16, 1916, p. 228.

TYPE LOCALITY: Lomita Ranch, six miles north of Hidalgo, Texas.

RANGE: Extreme southern corner of Texas and northeastern Mexico.

Sceloporus elongatus STEJNEGER*Sceloporus elongatus* STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 111.

Sceloporus undulatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 368.

TYPE LOCALITY: Moa Ave, Painted Desert, Arizona.

RANGE: The Painted Desert region.

Sceloporus graciosus graciosus (BAIRD and GIRARD)*Sceloporus graciosus* BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, p. 346, pl. 5, figs. 1-3.

Sceloporus graciosus graciosus CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 67.

Sceloporus graciosus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 386.

TYPE LOCALITY: Valley of Great Salt Lake.

RANGE: Oklahoma to California and Utah, Nevada.

Sceloporus graciosus gracilis (BAIRD and GIRARD)

Sceloporus gracilis BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 175.

Sceloporus graciosus gracilis VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 10, Nov. 23, 1922, p. 280.

Sceloporus graciosus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 386, fig. 63.

TYPE LOCALITY: Oregon.

RANGE: Western Oregon and Washington and northern California.

Sceloporus graciosus vandenburgianus (COPE)

Sceloporus vandenburgianus COPE

Amer. Nat., Vol. 30, 1896, p. 834.

Sceloporus graciosus vandenburgianus CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 67.

Sceloporus vandenburgianus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 390, fig. 64.

TYPE LOCALITY: Summit of the Coast Range, San Diego County, California.

RANGE: Mountain ranges south of Ventura County, California, into northern Lower California.

Sceloporus jarrovi COPE

Sceloporus jarrovi COPE

in Wheeler's Rep. Surv. W. 100th Mer., Vol. 5, 1875, p. 569, pl. 23, figs. 2-2c.

Sceloporus jarrovi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 345, fig. 49.

TYPE LOCALITY: Southern Arizona.

RANGE: Arizona.

Sceloporus licki VAN DENBURGH

Sceloporus licki VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 110, pl. 10.

Sceloporus lickii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 363.

TYPE LOCALITY: Sierra San Lazaro, Lower California.

RANGE: Southern Lower California.

Sceloporus lineatulus DICKERSON

Sceloporus lineatulus DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 467.

TYPE LOCALITY: Santa Catalina Island, Gulf of California.

RANGE: Same.

Sceloporus magister HALLOWELL*Sceloporus magister* HALLOWELL

Proc. Ac. Nat. Sci. Phila., 1854, p. 93.

Sceloporus clarkii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 358.

TYPE LOCALITY: Yuma, Arizona.

RANGE: Southeastern California, western Arizona, southern Nevada, southwestern Utah, northwestern Lower California.

Sceloporus merriami STEJNEGER*Sceloporus merriami* STEJNEGER

Proc. Biol. Soc. Washington, Vol. 17, Feb. 5, 1904, p. 17.

TYPE LOCALITY: East Painted Cave near mouth of Pecos River, Rio Grande Valley, Texas.

RANGE: Rio Grande Cañon, western Texas.

Sceloporus monserratus VAN DENBURGH and SLEVIN*Sceloporus monserratus* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 396.

TYPE LOCALITY: Monserrate Island, Lower California.

RANGE: Same.

Sceloporus occidentalis occidentalis (BAIRD and GIRARD)*Sceloporus occidentalis* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 175.

Sceloporus occidentalis occidentalis CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 65.

TYPE LOCALITY: Benicia, California.

RANGE: Northern and north central California to Washington.

Sceloporus occidentalis becki (VAN DENBURGH)*Sceloporus becki* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 3, Zool., vol. 4, June 15, 1905, p. 9, pl. 4.

Sceloporus occidentalis becki GRINNELL and CAMP

Univ. California Publ. Zool., Vol. 17, July 11, 1917, p. 162.

TYPE LOCALITY: San Miguel Island, Santa Barbara Co., California.

RANGE: Islands off coast of Santa Barbara County, California.

Sceloporus occidentalis bi-seriatus (HALLOWELL)*Sceloporus bi-seriatus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 93.

Sceloporus occidentalis bi-seriatus CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 65.

Sceloporus biseriatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 381, fig. 61.

TYPE LOCALITY: El Paso Creek, Tejon Valley, Texas.

RANGE: Texas westward to California, also Utah, Idaho, and Nevada.

Sceloporus occidentalis taylori CAMP

Sceloporus occidentalis taylori CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 65.

TYPE LOCALITY: Halfway between Merced Lake and Sunrise Trail (Echo Creek Basin), altitude 7500 feet, Yosemite National Park, California.

RANGE: Yosemite National Park, above 7000 feet altitude.

Sceloporus orcutti STEJNEGER

Sceloporus orcutti STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 181, pl. 1, figs. 4a-c.

Sceloporus orcuttii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 354, fig. 52.

TYPE LOCALITY: Milquatay Valley, San Diego Co., California.

RANGE: Northern Lower California, southern California.

Sceloporus rufidorsum YARROW

Sceloporus rufidorsum (part) YARROW

Proc. U. S. Nat. Mus., Vol. 5, 1882, p. 442.

TYPE LOCALITY: San Quentin Bay, [Lower] California.

RANGE: Western Lower California and Cerros Island.

Sceloporus scalaris WIEGMANN

Sceloporus scalaris WIEGMANN

Isis, 1828, p. 370.

Sceloporus scalaris COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 401, fig. 68.

TYPE LOCALITY: Mexico.

RANGE: Mexico northward to the United States boundary.

Sceloporus spinosus floridanus (BAIRD)

Sceloporus floridanus BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 254.

Sceloporus spinosus floridanus STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 181.

Sceloporus spinosus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 364, fig. 55.

TYPE LOCALITY: Pensacola, Florida.

RANGE: Extreme western Florida to Texas, New Mexico, and northern Mexico.

Sceloporus torquatus poinsettii (BAIRD and GIRARD)

Sceloporus poinsettii BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 126.

Sceloporus torquatus poinsettii COPE

Proc. Amer. Philos. Soc., Vol. 22, 1885, p. 402.

Sceloporus torquatus poinsettii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 350, fig. 51.

TYPE LOCALITY: Rio San Pedro, Texas, and Sonora, Mexico.

RANGE: Texas to Arizona, northern states of Mexico.

Sceloporus undulatus (LATREILLE)

PINE-LIZARD, FENCE-LIZARD

Stellio undulatus LATREILLE

Hist. Nat. Rept., Vol. 2, 1802, p. 40.

Sceloporus undulatus WIEGMANN

Isis, 1828, p. 369.

Sceloporus undulatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 368, fig. 57.

TYPE LOCALITY: "Les grands bois de la Caroline."

RANGE: Eastern States, New Jersey to Florida.

Sceloporus variabilis WIEGMANN

Sceloporus variabilis WIEGMANN

Herp. Mexico, 1834, p. 51.

Sceloporus variabilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 398, fig. 67.

TYPE LOCALITY: Mexico.

RANGE: Guatemala and Mexico to southern Texas.

Sceloporus woodi STEJNEGER

SOUTHERN FLORIDA PINE-LIZARD

Sceloporus woodi STEJNEGER

Proc. Biol. Soc. Washington, Vol. 31, June 29, 1918, p. 90.

TYPE LOCALITY: Auburndale, Polk Co., Florida.

RANGE: Central and east central Florida, southeastern coastal region to Hallandale, Dade Co.

Sceloporus zosteromus COPE

Sceloporus zosteromus COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 105.

Sceloporus zosteromus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 356, fig. 53.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern and central Lower California.

Phrynosoma (GENUS)

WIEGMANN, Isis, 1828, p. 367

TYPE: *orbiculare*

THE HORN-TOADS

Phrynosoma blainvillii blainvillii (GRAY)*Phrynosoma blainvillii* GRAY

Zööl. Beechey's Voyage, 1839, p. 96, pl. 29, fig. 1.

Phrynosoma blainvillei blainvillei BRYANT

Univ. California Publ. Zool., Vol. 9, 1911, pp. 5, 29.

Phrynosoma blainvillei (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 423, fig. 74.

TYPE LOCALITY: California.

RANGE: Southern California, northern Lower California.

Phrynosoma blainvillii frontale (VAN DENBURGH)*Phrynosoma frontalis* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 4, 1894, p. 296.

Phrynosoma blainvillei (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 423.

Phrynosoma frontale STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 59.

TYPE LOCALITY: Bear Valley, San Benito Co., California.

RANGE: El Dorado to Kern Counties, California.

Phrynosoma brevicorne BOULENGER*Phrynosoma brevicornis* BOULENGER

Proc. Zool. Soc. London, 1916, p. 537, pl. 1.

TYPE LOCALITY: Texas.

RANGE: Unknown.

Phrynosoma brevirostre (GIRARD)*Tapaya brevirostris* GIRARD

U. S. Expl. Exp., Herp., 1858, p. 397.

Phrynosoma brevirostre COPE

Proc. Ac. Nat. Sci. Phila., 1866, p. 302.

TYPE LOCALITY: Plains of Kansas and Nebraska.

RANGE: Wyoming, the basins of the Yellowstone and Platte Rivers.

Phrynosoma cerroense STEJNEGER*Phrynosoma cerroense* STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 187.

Phrynosoma cerroense COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 428, fig. 75.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: The type locality.

Phrynosoma cornutum (HARLAN)

Agama cornuta HARLAN

Journ. Ac. Nat. Sci. Phila., Vol. 4, 1825, p. 299, pl. 20.

Phrynosoma cornutum GRAY

Griffith's Animal Kingdom, Syn. Rept., 1831, p. 9.

Phrynosoma cornutum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 432, fig. 77.

TYPE LOCALITY: Great Plains east of the Rocky Mountains.

RANGE: From Kansas to the northern states of Mexico, west to Colorado and New Mexico.

Phrynosoma coronatum (BLAINVILLE)

Agama (Phrynosoma) coronata BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 284, pl. 25, fig. 1.

Phrynosoma coronatum DUMÉRIL and BIBRON

Erp. Gén., Vol. 4, 1837, p. 318.

Phrynosoma coronatum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 430.

TYPE LOCALITY: "California" by inference.

RANGE: Southern Lower California.

Phrynosoma ditmarsii STEJNEGER

Phrynosoma ditmarsii STEJNEGER

Proc. U. S. Nat. Mus., Vol. 29, Feb. 2, 1906, p. 565.

TYPE LOCALITY: State of Sonora, Mexico, not far from boundary of Arizona.

RANGE: Northern Mexico and probably southern Arizona.

Phrynosoma douglassii douglassii (BELL)

Agama douglassii BELL

Trans. Linn. Soc. London, Vol. 16, 1833, p. 105, pl. 10.

Phrynosoma douglassii douglassii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 411, fig. 69.

Phrynosoma douglasii WIEGMANN

Herp. Mexico, 1834, p. 54.

TYPE LOCALITY: "In ora occidentali Americae Borealis ad ripas fluminis Columbiae."

RANGE: Oregon and Washington.

Phrynosoma douglassii hernandesi (GIRARD)

Tapaya hernandesi GIRARD

U. S. Expl. Exp., Herp., 1858, p. 395.

Phrynosoma douglassii hernandesi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 413, fig. 70.

Phrynosoma hernandesi STEJNEGER

N. Amer. Fauna, No. 3, 1890, p. 112.

Phrynosoma hernandesi STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 59.

TYPE LOCALITY: New Mexico.

RANGE: The plateau region of Colorado, southern New Mexico, southeastern and central Arizona, southwestern Texas, and northern Sonora.

Phrynosoma douglassii ornatissimum* (GIRARD)Tapaya ornatissima* GIRARD

U. S. Expl. Exp., Herp., 1858, p. 396.

Phrynosoma douglassii ornatissimum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 415, fig. 71.

Phrynosoma ornatissimum STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 60.

TYPE LOCALITY: Mountainous region of New Mexico.

RANGE: Deserts of northeastern Arizona, northern New Mexico, Colorado, Idaho, Nevada, and Utah.

Phrynosoma douglassii ornatum* (GIRARD)Phrynosoma ornatum* GIRARD

U. S. Expl. Exp., Herp., 1858, Atlas, pl. 21, figs. 1-5.

Phrynosoma douglassii ornatum STEJNEGER

Copeia, No. 65, 1919, p. 4.

TYPE LOCALITY: Salt Lake.

RANGE: The Salt Lake basin.

Phrynosoma jamesi* SCHMIDTPhrynosoma jamesi* SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 668, pl. 55-56.

TYPE LOCALITY: San Bartolomé Bay, Lower California.

RANGE: Same.

Phrynosoma m'callii* (HALLOWELL)Anota m'callii* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 182.

Phrynosoma maccallii COPE

Proc. Ac. Nat. Sci. Phila., 1866, p. 310.

Anota maccallii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 448, fig. 82.

TYPE LOCALITY: Colorado Desert between Vallecita [sic] and Camp Yuma, 160 miles east of San Diego, California.

RANGE: Southeastern California and southwestern Arizona.

Phrynosoma modestum GIRARD*Phrynosoma modestum* GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, pp. 361, 365, pl. 6, figs. 4-8.

Anota modesta COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 437, fig. 78.

TYPE LOCALITY: The Rio Grande, west of San Antonio, Texas, and from between San Antonio and El Paso.

RANGE: Texas to Arizona and northern Mexico.

Phrynosoma nelsoni SCHMIDT*Phrynosoma nelsoni* SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 666, pl. 54, fig. 2.

TYPE LOCALITY: San Quentin, Lower California.

RANGE: Same.

Phrynosoma platyrhinos GIRARD*Phrynosoma platyrhinos* GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, pp. 361, 363, pl. 7, figs. 1-5.

Anota platyrhina COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 443, fig. 81.

TYPE LOCALITY: Great Salt Lake Valley, Utah.

RANGE: Washington southward to California, Utah, Idaho and Nevada, southwestern Arizona and northeastern Lower California.

Phrynosoma schmidti BARBOUR*Phrynosoma schmidti* BARBOUR

Proc. N. Engl. Zool. Club, Vol. 7, Sept. 7, 1921, p. 113.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Same.

Phrynosoma solare GRAY*Phrynosoma solaris* GRAY

Cat. Liz. Brit. Mus., 1845, p. 229.

Phrynosoma solare COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 420, fig. 73.

TYPE LOCALITY: "California."

RANGE: Northern Lower California and extreme southern Arizona and Sonora.

ANGUIDAE (FAMILY)

Ophisaurus (GENUS)

DAUDIN, Bull. Soc. Philom. Paris, Vol. 3, No. 72, March, 1803, p. 188

TYPE: *ventralis*

Ophisaurus ventralis (LINNÉ)

GLASS-SNAKE, JOINT-SNAKE

Anguis ventralis LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 391.

Ophisaurus ventralis DAUDIN

Hist. Nat. Rept., Vol. 7, 1803, p. 352, pl. 88.

Ophisaurus ventralis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 494, fig. 88.

TYPE LOCALITY: Carolina.

RANGE: Southern United States, in the east distributed northward to Virginia and Tennessee, in the central valley to Wisconsin, westward to New Mexico, and southward to the State of Vera Cruz, Mexico.

Gerrhonotus (GENUS)

WIEGMANN, Isis, 1828, p. 379

TYPE: *tessellatus* = *liocephalus*

Gerrhonotus coeruleus WIEGMANN

Gerrhonotus coeruleus WIEGMANN

Isis, 1828, p. 380.

Gerrhonotus burnettii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 526, fig. 94.

TYPE LOCALITY: "Brasilia" (in errore; probably San Francisco, Calif.).

RANGE: Coast region of northern California.

Gerrhonotus infernalis BAIRD

Gerrhonotus infernalis BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 255.

Gerrhonotus liocephalus infernalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 517, fig. 91.

TYPE LOCALITY: Devil's River, Texas.

RANGE: Southern Texas and northern Mexico.

Gerrhonotus multi-carinatus (BLAINVILLE)

Cordylus (Gerrhonotus) multi-carinatus BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 289, pl. 25, fig. 2.

Gerrhonotus multicarinatus DUMÉRIL and BIBRON

Erp. Gén., Vol. 5, 1839, p. 404.

Gerrhonotus multicarinatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 520.

TYPE LOCALITY: "California."

RANGE: Lower California.

***Gerrhonotus nobilis* (BAIRD and GIRARD)**

Elgaria nobilis BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 129.

Gerrhonotus nobilis BAIRD

U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 11, pl. 25, figs. 1-8.

Gerrhonotus nobilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 519, fig. 92.

TYPE LOCALITY: Fort Webster, copper mines of the Gila (Santa Rita del Cobre), New Mexico.

RANGE: New Mexico, Arizona, and northern Mexico.

***Gerrhonotus palmeri* (STEJNEGER)**

Gerrhonotus scincicauda palmeri STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 196.

Gerrhonotus palmeri VAN DENBURGH

Occ. Papers Calif. Ac. Sci., No. 5, 1897, p. 113.

Gerrhonotus multicarinatus palmerii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 525.

TYPE LOCALITY: South Fork King's River, California.

RANGE: Sierra Nevada slopes, in central California.

***Gerrhonotus principis* (BAIRD and GIRARD)**

Elgaria principis BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 175.

Gerrhonotus principis STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 197.

Gerrhonotus principis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 529, fig. 95.

TYPE LOCALITY: Oregon and Puget Sound.

RANGE: British Columbia, western Washington and Oregon, northwestern California, and Vancouver Island.

***Gerrhonotus scincicauda scincicauda* (SKILTON)**

Tropidolepis scincicauda SKILTON

Amer. Journ. Sci. Arts, Ser. 2, Vol. 7, 1849, p. 202, pl. at p. 312, figs. 1-3.

Gerrhonotus scincicauda scincicauda GRINNELL and CAMP

Univ. California Publ. Zool., Vol. 17, No. 10, 1917, p. 166.

Gerrhonotus multicarinatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 520, fig. 93.

TYPE LOCALITY: "Dalles of the Columbia."

RANGE: Washington, Oregon, and California west of the Sierra Nevada.

Gerrhonotus scincicauda webbiai (BAIRD)

Gerrhonotus webbiai BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 255.

Gerrhonotus scincicauda webbiai GRINNELL and CAMP

Univ. California Publ. Zool., Vol. 17, No. 10, 1917, p. 168.

TYPE LOCALITY: "From San Diego to El Paso."¹

RANGE: Southern California and northwestern Lower California.

Barissia (GENUS)

GRAY, Cat. Liz. Brit. Mus., 1845, p. 54

TYPE: *imbricata*

Barissia levicollis STEJNEGER

Barissia levicollis STEJNEGER

Proc. U. S. Nat. Mus., Vol. 13, Sept. 9, 1890, p. 184.

Barissia levicollis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 535, fig. 96.

TYPE LOCALITY: "Mexican Boundary."

RANGE: Unknown.

ANNIELLIDAE (FAMILY)

Anniella (GENUS)

GRAY, Ann. Mag. Nat. Hist., Ser. 2, Vol. 10, 1852, p. 440

TYPE: *pulchra*

Anniella nigra FISCHER

Anniella nigra FISCHER

Abh. Naturw. Ver. Hamburg, Vol. 9, Pt. 1, 1886, p. 9.

Anniella pulchra var. *A. nigra* COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 675.

TYPE LOCALITY: San Diego, California, probably in errore.

RANGE: Country about Pacific Grove, California.

Anniella pulchra GRAY

Anniella pulchra GRAY

Ann. Mag. Nat. Hist., Ser. 2, Vol. 10, 1852, p. 440.

Anniella pulchra COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 674, fig. 138.

¹ Baird's MS. entry in U. S. N. M. register. Type U. S. N. M. No. 3078, a very young individual.

TYPE LOCALITY: California.

RANGE: Coastal region of southern California and northern Lower California.

HELODERMATIDAE (FAMILY)

Heloderma (GENUS)

WIEGMANN, Isis, 1829, p. 624

TYPE: *horridum*

Heloderma suspectum COPE

GILA MONSTER

Heloderma suspectum COPE

Proc. Ac. Nat. Sci. Phila., 1869, p. 5.

Heloderma suspectum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 476, fig. 87.

TYPE LOCALITY: Sierra de la Union, Arizona ("Sonora").

RANGE: Extreme southern Utah and Nevada, Arizona, and Sonora.

XANTUSIIDAE (FAMILY)

Xantusia (GENUS)

BAIRD, Proc. Ac. Nat. Sci. Phila., 1858, p. 255

TYPE: *vigilis*

Xantusia gilberti VAN DENBURGH

Xantusia gilberti VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 121, pl. 11.

Amoebopsis gilbertii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 555, fig. 101.

TYPE LOCALITY: San Francisquito, Sierra Laguna, Lower California.

RANGE: Southern Lower California.

Xantusia henshawi STEJNEGER

Xantusia henshawi STEJNEGER

Proc. U. S. Nat. Mus., Vol. 16, July 21, 1893, p. 467.

Zablepsis henshawi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 553, fig. 100.

TYPE LOCALITY: Witch Creek, San Diego Co., California.

RANGE: Known from a few localities in southern California.



Xantusia riversiana COPE*Xantusia riversiana* COPE

Proc. Ac. Nat. Sci. Phila., 1883, p. 29.

Xantusia riversiana COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 550, fig. 99.

TYPE LOCALITY: California, according to Cope, but later stated by Professor Rivers to have been San Nicolas Island, off the California coast.

RANGE: San Nicolas, Santa Barbara, and San Clemente Islands, coast of California.

Xantusia vigilis BAIRD*Xantusia vigilis* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 255.

Xantusia vigilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 545, fig. 97.

TYPE LOCALITY: Fort Tejon, California.

RANGE: The tree-yucca zone of southern Nevada, southeastern California, and northeastern Lower California.

TEIIDAE (FAMILY)**Verticaria (GENUS)**

COPE, Proc. Amer. Philos. Soc., Vol. 11, 1869, p. 158

TYPE: *hyperythra***Verticaria caerulea DICKERSON***Verticaria caerulea* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 472.

TYPE LOCALITY: Carmen Island, Lower California.

RANGE: Same.

Verticaria ceralbensis VAN DENBURGH and SLEVIN*Verticaria ceralbensis* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 396.

TYPE LOCALITY: Ceralbo Island, Lower California.

RANGE: Same.

Verticaria espiritensis VAN DENBURGH and SLEVIN*Verticaria espiritensis* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 397.

TYPE LOCALITY: Espiritu Santo Island, Lower California.

RANGE: Same.

Verticaria franciscensis VAN DENBURGH and SLEVIN*Verticaria franciscensis* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 397.

TYPE LOCALITY: San Francisco Island, Lower California.

RANGE: Same.

Verticaria hyperythra hyperythra (COPE)*Cnemidophorus hyperythrus* COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 103.

Verticaria hyperythra hyperythra STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 65.

Verticaria hyperythra (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 563.

TYPE LOCALITY: Cape San Lucas, Lower California.

RANGE: Southern end of Lower California.

Verticaria hyperythra beldingi (STEJNEGER)*Verticaria beldingi* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 17, May 4, 1894, p. 17.

Verticaria hyperythra beldingi VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 131.

Verticaria hyperythra (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 563, fig. 102.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Southern California to middle Lower California, Cerros, Santa Margarita, and Magdalena Islands.

Verticaria hyperythra schmidtii VAN DENBURGH and SLEVIN*Verticaria hyperythra schmidtii* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 397.

TYPE LOCALITY: San Marcos Island, Lower California.

RANGE: San Marcos Island and portion of peninsula of Lower California, opposite.

Verticaria picta VAN DENBURGH and SLEVIN*Verticaria picta* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 98.

TYPE LOCALITY: Monserrate Island, Lower California.

RANGE: Same.

Verticaria sericea VAN DENBURGH*Verticaria sericea* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 132, pl. 12.

Verticaria sericea COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 564, fig. 103.

TYPE LOCALITY: San José Island, Lower California.
RANGE: Same.

Cnemidophorus (*GENUS*)

WAGLER, Syst. Amph., 1830, p. 154

TYPE: *murinus*

THE SWIFTS OR WHIP-TAILS

Cnemidophorus bacatus VAN DENBURGH and SLEVIN

Cnemidophorus bacatus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 97.

TYPE LOCALITY: San Pedro Nolasco Island, Lower California.
RANGE: Same.

Cnemidophorus bartolomas DICKERSON

Cnemidophorus bartolomas DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 476.

TYPE LOCALITY: San Bartolomé Bay, Lower California.
RANGE: Same.

Cnemidophorus canus VAN DENBURGH and SLEVIN

Cnemidophorus canus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 97.

TYPE LOCALITY: Sal Si Puedes Island, Lower California.
RANGE: Same, and North and South San Lorenzo Island.

Cnemidophorus catalinensis VAN DENBURGH and SLEVIN

Cnemidophorus catalinensis VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 396.

TYPE LOCALITY: Santa Catalina Island, Lower California.
RANGE: Same.

Cnemidophorus celeripes DICKERSON

Cnemidophorus celeripes DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 472.

TYPE LOCALITY: San José Island, Lower California.
RANGE: Same.

Cnemidophorus dickersonae VAN DENBURGH and SLEVIN

Cnemidophorus dickersonae VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 97.

TYPE LOCALITY: Isla Partida, near Espiritu Santo Island, Lower California.
RANGE: Same.

Cnemidophorus disparilis DICKERSON*Cnemidophorus disparilis* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 473.

TYPE LOCALITY: Tiburon Island, Gulf of California.

RANGE: Same.

Cnemidophorus estebanensis DICKERSON*Cnemidophorus estebanensis* DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 474.

TYPE LOCALITY: San Esteban Island, Gulf of California.

RANGE: Same.

Cnemidophorus grahamii BAIRD and GIRARD*Cnemidophorus grahamii* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 128.

Cnemidophorus grahamii grahamii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 598, fig. 117.

TYPE LOCALITY: Between San Antonio and El Paso, Texas.

RANGE: Texas.

Cnemidophorus gularis BAIRD and GIRARD*Cnemidophorus gularis* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 128.

Cnemidophorus gularis gularis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 602, fig. 118.

TYPE LOCALITY: Indianola and San Pedro River, Texas.

RANGE: Arkansas and Oklahoma through Texas west to Arizona,
also the northern states of Mexico.**Cnemidophorus labialis** STEJNEGER*Cnemidophorus labialis* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 12, June, 1890, p. 643.

Cnemidophorus labialis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 610, fig. 122.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Cerros Island, Lower California.

Cnemidophorus martyr STEJNEGER*Cnemidophorus martyr* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 14, Aug. 31, 1891, p. 407.

TYPE LOCALITY: San Pedro Martir Island, Gulf of California.

RANGE: Type locality.

Cnemidophorus maximus COPE

Cnemidophorus maximus COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 104.

Cnemidophorus maximus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 570, fig. 104.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern Lower California.

Cnemidophorus melanostethus COPE

Cnemidophorus melanostethus COPE

Proc. Ac. Nat. Sci. Phila., 1863, p. 104.

Cnemidophorus tessellatus melanostethus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 581, fig. 109.

TYPE LOCALITY: "Region of the Colorado of California," Colorado Desert, Arizona.

RANGE: Deserts of southern Arizona.

Cnemidophorus multiscutatus (COPE)

Cnemidophorus tessellatus multiscutatus COPE

Trans. Amer. Philos. Soc., Vol. 7, 1892, p. 38.

Cnemidophorus multiscutatus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 4, 1914, p. 144.

Cnemidophorus tessellatus multiscutatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 586, fig. 111.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Cerros Island, Lower California.

Cnemidophorus perplexus BAIRD and GIRARD

Cnemidophorus perplexus BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 128.

Cnemidophorus tessellatus perplexus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 573, fig. 106.

TYPE LOCALITY: Valley of the Rio San Pedro, tributary of the Rio Grande del Norte, Texas.

RANGE: Texas and New Mexico.

Cnemidophorus punctilinealis DICKERSON

Cnemidophorus punctilinealis DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 475.

TYPE LOCALITY: Tiburon Island, Gulf of California.

RANGE: Tiburon Island and adjacent region of Sonora (Guaymas).

Cnemidophorus rubidus (COPE)*Cnemidophorus tessellatus rubidus* COPE

Trans. Amer. Philos. Soc., Ser. 2, Vol. 17, 1892, p. 36, pl. 12, fig. 1.

Cnemidophorus rubidus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 4, 1914, p. 145.

Cnemidophorus tessellatus rubidus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 584, fig. 110.

TYPE LOCALITY: Sta. Margarita Island, Lower California.

RANGE: Sta. Margarita and Magdalena Islands, Lower California.

Cnemidophorus sexlineatus (LINNÉ)*Lacerta sexlineata* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 364.

Cnemidophorus sexlineatus DUMÉRIL and BIBRON

Erp. Gén., Vol. 5, 1839, p. 1.

Cnemidophorus sexlineatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 593, fig. 116.

TYPE LOCALITY: In Carolina.

RANGE: Maryland to Florida, west to northern Mexico and Arizona and up the Mississippi Valley as far north as Lake Michigan.

Cnemidophorus tessellatus tessellatus (SAY)*Ameiva tessellata* SAY

Long's Exp. Rocky Mts., Vol. 2, 1823, p. 50.

Cnemidophorus tessellatus tessellatus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 575, fig. 107.

Cnemidophorus tessellatus BAIRD

Pacif. R. R. Surv., Vol. 10, Pt. 4, 1859, p. 18.

TYPE LOCALITY: Arkansas River, near Castle Rock Creek, Colorado.

RANGE: Texas to California, also Utah, Colorado, and Nevada.

Cnemidophorus tessellatus mundus (CAMP)*Cnemidophorus tigris mundus* CAMP

Univ. California Publ. Zool., Vol. 17, Dec. 28, 1916, p. 71.

Cnemidophorus tessellatus mundus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 68.

TYPE LOCALITY: "Near Fort Yuma, in San Joaquin Valley"
= Fort Miller, Fresno County, California.

RANGE: Central California.

Cnemidophorus tessellatus stejnegeri (VAN DENBURGH)*Cnemidophorus stejnegeri* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 4, 1894, p. 300.

Cnemidophorus tessellatus stejnegeri STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 68.

Cnemidophorus grahamii stejnegerii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 599.

TYPE LOCALITY: Near Ensenada, Lower California.

RANGE: Southern California and northern Lower California.

***Cnemidophorus vandenburghi* DICKERSON**

Cnemidophorus vandenburghi DICKERSON

Bull. Amer. Mus. Nat. Hist., Vol. 41, Oct. 2, 1919, p. 477.

TYPE LOCALITY: Carmen Island, Gulf of California.

RANGE: Same.

SCINCIDAE (*FAMILY*)

***Leiolopisma* (*GENUS*)**

DUMÉRIL and BIBRON, *Erp. Gén.*, Vol. 5, 1839, p. 742

TYPE: *telfairii*

***Leiolopisma laterale* (SAY)**

Scincus lateralis SAY

Long's Exp. Rocky Mts., Vol. 2, 1823, p. 324.

Leiolopisma laterale JORDAN

Man. Vertebr. North. U. S., Ed. 8, 1899, p. 201.

Liolopisma laterale COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 622, fig. 123.

TYPE LOCALITY: Banks of Mississippi River below Cape Girardeau, Missouri.

RANGE: Maryland to Florida, west to Illinois and Texas.

***Eumeces* (*GENUS*)**

WIEGMANN, *Herp. Mexico*, 1834, p. 36

TYPE: *pavimentatus*

***Eumeces anthracinus* (BAIRD)**

Plestiodon anthracinus BAIRD

Journ. Ac. Nat. Sci. Phila., Ser. 2, Vol. 1, 1849, p. 294.

Eumeces anthracinus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces anthracinus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 661, fig. 135.

TYPE LOCALITY: North Mountain near Carlisle, Pennsylvania.

RANGE: New York to North Carolina and Missouri, Arkansas, and Texas.

Eumeces brevilineatus COPE*Eumeces brevilineatus* COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 18.

Eumeces brevilineatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 664, fig. 137.

TYPE LOCALITY: Helotes, Bexar Co., Texas.

RANGE: Texas.

Eumeces egregius (BAIRD)*Plestiodon egregius* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 256.

Eumeces egregius COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces egregius COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 655, fig. 132.

TYPE LOCALITY: Indian Key, Florida.

RANGE: Western Florida and the Florida Keys.

Eumeces fasciatus (LINNÉ)

BLUE-TAILED SKINK, SCORPION

Lacerta fasciata LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 209.

Eumeces fasciatus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces quinquelineatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 632, fig. 125.

TYPE LOCALITY: Carolina.

RANGE: Southern New England to Florida, up the Mississippi Valley to Canada and westward to Arizona.

Eumeces guttulatus (HALLOWELL)*Lamprosaurus guttulatus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 206.

Eumeces guttulatus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces guttulatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 645, fig. 127.

TYPE LOCALITY: Fort Fillmore below Jornada del Muerte, New Mexico.

RANGE: Western Texas and Oklahoma to Arizona.

Eumeces lagunensis VAN DENBURGH*Eumeces lagunensis* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 134, pl. 13.

TYPE LOCALITY: San Francisquito, Sierra Laguna, Lower California.

RANGE: The Sierra Laguna.

Eumeces longirostris (COPE)

Plestiodon longirostris COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 313.

Eumeces longirostris COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces longirostris COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 631, fig. 124.

TYPE LOCALITY: Bermuda.

RANGE: Bermuda.

Eumeces multivirgatus (HALLOWELL)

Plestiodon multivirgatum HALLOWELL

Proc. Ac. Nat. Sci. Phila., 1857, p. 215.

Eumeces multivirgatus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces epipleurotus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 650, fig. 129.

Eumeces leptogrammus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 651, fig. 130.

Eumeces multivirgatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 653, fig. 131.

TYPE LOCALITY: Posa Creek, 460 miles west of Fort Riley, Kansas.

RANGE: Nebraska to northern Texas.

Eumeces obsoletus (BAIRD and GIRARD)

Plestiodon obsoletum BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 129.

Eumeces obsoletus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces obsoletus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 646, fig. 128.

TYPE LOCALITY: Valley of the Rio San Pedro, tributary of the Rio Grande del Norte, Texas.

RANGE: Utah and Kansas southward to northern Mexico.

Eumeces pachyurus COPE

Eumeces pachyurus COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 19.

Eumeces pachyurus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 659.

TYPE LOCALITY: Near Dallas, Texas.

RANGE: Texas.

Eumeces pluvialis COPE

Eumeces pluvialis COPE

Bull. U. S. Nat. Mus., No. 17, 1880, p. 19.

Eumeces pluvialis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 663, fig. 136.

TYPE LOCALITY: Mobile, Alabama.

RANGE: Central Gulf area.

Eumeces septentrionalis (BAIRD)

Plestiodon septentrionalis BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 256.

Eumeces septentrionalis COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 44.

Eumeces septentrionalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 656, fig. 133.

TYPE LOCALITY: Minnesota and Nebraska.

RANGE: Minnesota, Nebraska, and Kansas.

Eumeces skiltonianus (BAIRD and GIRARD)

Plestiodon skiltonianum BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, p. 349, pl. 4,
figs. 4-6.

Eumeces skiltonianus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces skiltonianus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 640, fig. 126.

TYPE LOCALITY: Oregon.

RANGE: Western Oregon, and most of California, except the extreme southeastern desert area; Lower California; eastward through Nevada to Utah.

Eumeces tetragrammus (BAIRD)

Plestiodon tetragrammus BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 256.

Eumeces tetragrammus COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 45.

Eumeces tetragrammus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 660.

TYPE LOCALITY: Lower Rio Grande.

RANGE: Southern Texas and northeastern Mexico.



Neoseps (*GENUS*)

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 39, Sept. 23, 1910, p. 33

TYPE: *reynoldsi***Neoseps reynoldsi** STEJNEGER*Neoseps reynoldsi* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 39, Sept. 23, 1910, p. 34.

TYPE LOCALITY: Near Spring Lake, Fruitland Park, Lake Co., Florida.

RANGE: Central Florida.

BIPEDIDAE (*FAMILY*)**Bipes** (*GENUS*)

LATREILLE, Hist. Nat. Rept., Vol. 2, 1802, p. 90

TYPE: *canaliculatus***Bipes biporus** (COPE)*Euchirotes biporus* COPE

Amcr. Nat., Vol. 28, 1894, p. 436, figs. 5a-c.

Bipes biporus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 72.

Euchirotes biporus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 680, fig. 140.

TYPE LOCALITY: La Paz, Lower California.

RANGE: Southern Lower California.

LEPOSTERNIDAE (*FAMILY*)**Rhineura** (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1861, p. 75

TYPE: *floridana***Rhineura floridana** (BAIRD)*Lepidosternon floridanum* BAIRD

Proc. Ac. Nat. Sci. Phila., 1858, p. 255.

Rhineura floridana COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 75.

Rhineura floridana COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 686, fig. 141.

TYPE LOCALITY: Micanopy, Florida.

RANGE: Peninsular Florida.

SERPENTES (*SUBORDER*)

LINNÉ, Syst. Nat., Ed. 10, Vol. 1, 1758, p. 214

LEPTOTYPHLOPIDAE (*FAMILY*)*Leptotyphlops* (*GENUS*)

FITZINGER, Syst. Rept., 1843, p. 24

TYPE: *nigricans**Leptotyphlops dulcis* (BAIRD and GIRARD)*Rena dulcis* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 142.

Leptotyphlops dulcis STEJNEGER

Proc. U. S. Nat. Mus., Vol. 14, Oct. 31, 1891, p. 501.

Glauconia dulcis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 717, fig. 143.

TYPE LOCALITY: Between San Pedro and Comanche Springs,
Texas.

RANGE: Northern Mexico, Texas, and New Mexico.

Siagonodon (*GENUS*)

PETERS, Sitz.-Ber. Ges. Naturf. Freunde, Berlin, 1881, p. 71

TYPE: *septemstriatus**Siagonodon humilis* (BAIRD and GIRARD)*Rena humilis* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 143.

Siagonodon humilis VAN DENBURGH

Occ. Papers Calif. Ac. Sci., Vol. 5, 1897, p. 150.

Glauconia humilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 719, fig. 144.

TYPE LOCALITY: Valliecity [sic], California.

RANGE: Deserts of Arizona, southern California, Lower California,
and northwestern Mexico.BOIDAE (*FAMILY*)*Lichanura* (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1861, p. 304

TYPE: *trivirgata**Lichanura roseofusca* COPE*Lichanura roseofusca* COPE

Proc. Ac. Nat. Sci. Phila., 1868, p. 2.

Lichanura roseofusca COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 724, fig. 146.

TYPE LOCALITY: Northern Lower California.

RANGE: Southern California, northern Lower California, and Arizona.

Lichanura trivirgata COPE*Lichanura trivirgata* COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 304.

Lichanura trivirgata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 723, fig. 145.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern Lower California.

Charina (GENUS)

GRAY, Cat. Snakes Brit. Mus., 1849, p. 113

TYPE: *bottae**Charina bottae* (BLAINVILLE)

RUBBER-SNAKE, BALL-SNAKE

Tortrix bottae BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 289, pl. 26, figs. 1-B1.

Charina bottae GRAY

Cat. Snakes Brit. Mus., 1849, p. 113.

Charina bottae COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 728, fig. 148.

Charina bottae utahensis VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 31.

TYPE LOCALITY: California.

RANGE: Humid districts of California, Nevada, Idaho, Oregon, and Washington, east to Montana, Wyoming, and Utah.

COLUBRIDAE (FAMILY)

Carphophis (GENUS)GERVAIS, D'Orbigny's Dict. Univ. Hist. Nat.,
Vol. 3, 1843, p. 191TYPE: *amoena*

WORM-SNAKES

Carphophis amoena (SAY)*Coluber amoenus* SAY

Journ. Ac. Nat. Sci. Phila., Vol. 4, Pt. 2, 1825, p. 237.

Carphophis amoena GERVAIS

D'Orbigny's Dict. Univ. Hist. Nat., Vol. 3, 1843, p. 191.

Carphophiops amoenus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 735, fig. 151.

TYPE LOCALITY: Pennsylvania.

RANGE: Connecticut to Florida, westward in Ohio, Illinois, and Indiana.

Carphophis vermis (KENNICOTT)*Celuta vermis* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1859, p. 99.

Carphophiops vermis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 737, fig. 152.

TYPE LOCALITY: Missouri.

RANGE: Kansas southward to Louisiana.

Abastor (GENUS)

GRAY, Cat. Snakes Brit. Mus., 1849, p. 78

TYPE: *erythrogrammus***Abastor erythrogrammus** (DAUDIN)

RAINBOW-SNAKE

Coluber erythrogrammus DAUDIN

Hist. Nat. Rept., Vol. 7, 1803, p. 93, pl. 83, figs. 2a-b.

Abastor erythrogrammus GRAY

Cat. Snakes Brit. Mus., 1849, p. 78.

Abastor erythrogrammus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 738, fig. 153.

TYPE LOCALITY: États Unis d'Amérique.

RANGE: Virginia southward to Florida and Alabama.

Farancia (GENUS)

GRAY, Zool. Misc., 1832, p. 78

TYPE: *drummondi* = *abacura***Farancia abacura** (HOLBROOK)

HORN-SNAKE, MUD-SNAKE

Coluber abacurus HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 119, pl. 23.

Farancia abacura BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 123.

Farancia abacura COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 741, fig. 154.

TYPE LOCALITY: South Carolina.

RANGE: Virginia to Florida and Louisiana, in the Mississippi Valley northward to Indiana.

Diadophis (GENUS)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 112

TYPE: *punctatus*

RING-NECK SNAKES**Diadophis amabilis amabilis (BAIRD and GIRARD)**

Diadophis amabilis BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 113.

Diadophis amabilis amabilis BLANCHARD

Occ. Papers, Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 3.

Diadophis amabilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 746, figs. 157, 160.

TYPE LOCALITY: San José, California.

RANGE: California, restricted to the region about San Francisco and the San Joachin and Sacramento Valleys.

Diadophis amabilis occidentalis BLANCHARD

Diadophis amabilis occidentalis BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 6.

TYPE LOCALITY: Bridgeville, Humboldt Co., California.

RANGE: From Sonoma County, northward perhaps to the Columbia River.

Diadophis amabilis pulchellus (BAIRD and GIRARD)

Diadophis pulchellus BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 115.

Diadophis amabilis pulchellus BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 8.

TYPE LOCALITY: El Dorado County, California.

RANGE: Western slopes of the Sierra Nevada, south perhaps to Tejon Pass in California and north perhaps to southern Oregon.

Diadophis amabilis similis BLANCHARD

Diadophis amabilis similis BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 4.

TYPE LOCALITY: San Diego, California (in litt.).

RANGE: From southwestern San Bernadino County south into the San Pedro Martir range in Lower California.

Diadophis amabilis vandenburghi BLANCHARD

Diadophis amabilis vandenburghi BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 5.

TYPE LOCALITY: Carmel, Monterey Co., California.

RANGE: Ventura to Sta. Cruz County, California.

Diadophis anthonyi VAN DENBURGH and SLEVIN*Diadophis anthonyi* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 13, No. 1, July 25, 1923, p. 1.

TYPE LOCALITY: South Todos Santos Island, Lower California.

RANGE: Same.

Diadophis punctatus punctatus (LINNÉ)*Coluber punctatus* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 376.

Diadophis punctatus BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 112.

Diadophis punctatus punctatus BARBOUR

Proc. N. Engl. Zool. Club, Vol. 7, 1919, p. 7.

Diadophis punctatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 751, fig. 162.

TYPE LOCALITY: Carolina.

RANGE: Southeastern states lowlands from Florida, northward to northern North Carolina from sea-level to about 2500 feet, possibly higher in the mountains of South Carolina and Georgia.

Diadophis punctatus arnyi (KENNICOTT)*Diadophis arnyi* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1859, p. 99.

Diadophis regalis arnyi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 745, fig. 156.

TYPE LOCALITY: Hyatt, Anderson Co., Kansas.

RANGE: Ohio, northern Illinois, Indiana, Kansas, Iowa, Missouri, northwestern Arkansas, Oklahoma, and Texas.

Diadophis punctatus edwardsii (MERREM)*Coluber edwardsii* MERREM

Tent. Syst. Rept., 1820, p. 136.

Diadophis punctatus edwardsii BARBOUR

Proc. N. Engl. Zool. Club, Vol. 7, 1919, p. 9.

TYPE LOCALITY: Pennsylvania.

RANGE: The mountains of the Carolinas through the Appalachians northward to the Northern Peninsula of Michigan, Wisconsin, southern Canada, and the Maritime Provinces.

Diadophis punctatus stictogenys COPE*Diadophis punctatus* var. *stictogenys* COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 250.

TYPE LOCALITY: Unknown.

RANGE: Southern Illinois, through the lower Mississippi Valley to the Gulf.

Diadophis regalis regalis (BAIRD and GIRARD)*Diadophis regalis* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 115.

Diadophis regalis regalis BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 1.

Diadophis regalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 744, fig. 155.

TYPE LOCALITY: Sonora, Mexico.

RANGE: Central Texas, to southeastern Arizona and to the state of Vera Cruz, Mexico.

Diadophis regalis arizonae BLANCHARD*Diadophis regalis arizonae* BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 142, July 9, 1923, p. 2.

TYPE LOCALITY: Sabino Cañon, Arizona.

RANGE: Central Arizona to northern Sonora.

Heterodon (GENUS)

LATREILLE, Hist. Nat. Rept., Vol. 4, 1802, p. 32

TYPE: *platirhinos* = *contortrix*

HOG-NOSE SNAKES

Heterodon browni STEJNEGER*Heterodon browni* STEJNEGER

Proc. Biol. Soc. Washington, Vol. 16, 1903, p. 123.

TYPE LOCALITY: Lemon City, Florida.

RANGE: Extreme southern Florida.

Heterodon contortrix (LINNÉ)

PUFFING ADDER, SPREADING ADDER

Boa contortrix LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 373.

Heterodon contortrix STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 76.

Heterodon platyrhinus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 761, fig. 165.

TYPE LOCALITY: Carolina.

RANGE: Massachusetts to Florida westward to Texas and northward through the states of the Mississippi basin to Minnesota.

Heterodon nasicus BAIRD and GIRARD*Heterodon nasicus* BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, 1852, p. 352.

Heterodon nasicus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 772, fig. 168.

TYPE LOCALITY: Texas.

RANGE: Southwestern Iowa, Kansas and Nebraska west to Montana and south to northern Mexico. Common along the Mexican border from Texas to Arizona.

Heterodon simus (LINNÉ)*Coluber simus* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 375.

Heterodon simus HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 4, 1842, p. 57, pl. 15.

Heterodon simus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 770, fig. 167.

TYPE LOCALITY: Carolina.

RANGE: Southeastern states, Indiana to Florida.

Liopeltis (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *tricolor***Liopeltis vernalis** (HARLAN)

SMOOTH GREEN-SNAKE

Coluber vernalis HARLAN

Journ. Ac. Nat. Sci. Phila., Vol. 5, 1827, p. 361.

Liopeltis vernalis COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 560.

Liopeltis vernalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 782, fig. 169.

TYPE LOCALITY: Pennsylvania and New Jersey are mentioned as habitat.

RANGE: Southern Canada through the Eastern and Middle States south to Florida and Texas, New Mexico.

Opheodrys (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *aestivus***Opheodrys aestivus** (LINNÉ)

ROUGH GREEN-SNAKE

Coluber aestivus LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 387.

Opheodrys aestivus COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 560.

Cyclophis aestivus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 784, fig. 170.

TYPE LOCALITY: Carolina.

RANGE: New Jersey to Florida, westward to New Mexico, in the Mississippi drainage basin found in the southern portion and northward to Kansas and Illinois.

Coluber (*GENUS*)

LINNÉ, Syst. Nat., Ed. 10, Vol. 1, 1758, p. 216

TYPE: *constrictor***Coluber anthonyi** (STEJNEGER)*Bascanion anthonyi* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 23, June 5, 1901, p. 715.

Coluber anthonyi STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 78.

TYPE LOCALITY: Clarion Island, Revilla Gigedo group, off west coast of Mexico.

RANGE: Clarion Island, Revilla Gigedo group, off west coast of Mexico.

Coluber aurigulus (COPE)*Drymobius aurigulus* COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 301.

Coluber aurigulus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 78.

Zamenis aurigulus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 810, fig. 179.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern Lower California.

Coluber barbouri VAN DENBURGH and SLEVIN*Coluber barbouri* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 98.

TYPE LOCALITY: Isla Partida, Espiritu Santo Island, Lower California.

RANGE: Same.

Coluber constrictor constrictor (LINNÉ)

BLACK-SNAKE

Coluber constrictor (part) LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 216.

Zamenis constrictor (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 791, fig. 171.

TYPE LOCALITY: "Habitat in America septentrionale."

RANGE: The whole of the eastern United States, westward to Texas and the Great Plains.

***Coluber constrictor flaviventris* (SAY)**

WESTERN OR BLUE RACER

Coluber flaviventris SAY

Long's Exp. Rocky Mts., Vol. 1, 1823, p. 185.

Coluber constrictor flaviventris GARMAN

Mem. Mus. Comp. Zool., Vol. 8, Pt. 3, 1883, p. 147.

TYPE LOCALITY: Stone quarry on west side of Missouri River three miles above the mouth of Boyer's River.

RANGE: Central and southwestern states.

***Coluber constrictor mormon* (BAIRD and GIRARD)**

Coluber mormon BAIRD and GIRARD

Stansbury's Expl. Surv. Vall. Great Salt Lake, Append. C, Rept., 1852, p. 351.

Coluber constrictor mormon VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Vol. 11, 1921, p. 28.

TYPE LOCALITY: Valley of the Great Salt Lake, Utah.

RANGE: British Columbia south through California, Idaho, Nevada, and Utah.

***Coluber flagellum flagellum* (SHAW)**

COACH WHIP

Coluber flagellum SHAW

Gen. Zool., Vol. 3, 1802, p. 475.

Zamenis flagellum flagellum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 799, fig. 174.

TYPE LOCALITY: Carolina and Virginia.

RANGE: Virginia to Florida, westward to the Rocky Mountains.

***Coluber flagellum piceus* (COPE)**

Bascanium piceum COPE

Proc. U. S. Nat. Mus., Vol. 14, March 28, 1892, p. 625.

Coluber flagellum piceus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 79.

Zamenis flagellum piceus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 804, fig. 175.

TYPE LOCALITY: Camp Grant, Arizona.

RANGE: Southern Arizona.

Coluber lateralis (HALLOWELL)*Leptophis lateralis* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1853, p. 237.

Coluber lateralis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 80.

Zamenis lateralis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 807, fig. 177.

TYPE LOCALITY: California.

RANGE: Southern and Lower California.

Coluber ruthveni (ORTENBURGER)*Masticophis ruthveni* ORTENBURGEROcc. Papers Mus. Zool. Univ. Michigan, No. 139, July 9, 1923, p. 3,
pl. 1-3.

TYPE LOCALITY: Brownsville, Texas.

RANGE: Southeastern Texas and Tamaulipas, Mexico.

Coluber schotti (BAIRD and GIRARD)*Masticophis schotti* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 160.

Coluber schotti STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 80.

Zamenis schotti COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 811, fig. 18a.

TYPE LOCALITY: Eagle Pass, Texas.

RANGE: Southern Texas and northeastern Mexico.

Coluber semilineatus (COPE)*Bascanium semilineatum* COPE

Proc. U. S. Nat. Mus., Vol. 14, March 28, 1892, p. 626.

Coluber semilineatus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 80.

Zamenis semilineatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 805, fig. 176.

TYPE LOCALITY: Camp Grant and Colorado River, Arizona.

RANGE: Arizona and the adjacent territory of Mexico.

Coluber taeniatus taeniatus (HALLOWELL)*Leptophis taeniata* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 181.

Coluber taeniatus GARMAN

Mem. Mus. Comp. Zool., Vol. 8, Pt. 3, 1883, p. 46.

Zamenis taeniatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 815, fig. 182

TYPE LOCALITY: New Mexico west of Rio Grande.

RANGE: Idaho and Utah, southward to all the border states just entering Texas and California.

***Coluber taeniatus girardi*¹ STEJNEGER and BARBOUR**

Coluber taeniatus girardi STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 80.

Zamenis ornatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 813, fig. 181.

TYPE LOCALITY: "Between Indianola and El Paso," Texas.

RANGE: Western Texas.

Salvadora (GENUS)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 104

TYPE: *grahamiae*

***Salvadora grahamiae* BAIRD and GIRARD**

PATCH-NOSE SNAKE

Salvadora grahamiae BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 104.

Salvadora grahamiae (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 818.

TYPE LOCALITY: Sonora, Mexico.

RANGE: Utah southward through all the border states eastward of Arizona and into Mexico as far south as the State of Hidalgo.

***Salvadora hexalepis* (COPE)**

Phimothya hexalepis COPE

Proc. Ac. Nat. Sci. Phila., 1866, p. 304.

Salvadora hexalepis STEJNEGER

Proc. U. S. Nat. Mus., Vol. 25, Sept. 8, 1902, p. 154.

Salvadora grahamiae (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 818, fig. 183.

TYPE LOCALITY: Fort Whipple, Arizona.

RANGE: Arizona, southern California, and Lower California.

***Phyllorhynchus* (GENUS)**

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 13, Sept. 9, 1890, p. 151

TYPE: *browni*

***Phyllorhynchus browni* STEJNEGER**

Phyllorhynchus browni STEJNEGER

Proc. U. S. Nat. Mus., Vol. 13, Sept. 9, 1890, p. 152.

¹ New name for *Masticophis ornatus* Baird and Girard, 1853; nec *Coluber ornatus* Shaw, 1802.

Phyllorhynchus browni COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 821, fig. 184.

TYPE LOCALITY: Tucson, Arizona.

RANGE: Southern Arizona.

Phyllorhynchus decurtatus (COPE)*Phimothyra decurtata* COPE

Proc. Ac Nat. Sci. Phila., 1868, p. 310.

Phyllorhynchus decurtatus STEJNEGER

Proc. U. S. Nat. Mus., Vol. 13, 1890, p. 154.

Phyllorhynchus decurtatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 823, fig. 186.

TYPE LOCALITY: "In the upper part of Lower California."

RANGE: Lower California, north to southern California and southwestern Arizona.

Elaphe (GENUS)FITZINGER in WAGLER, Descr. Icon. Amph., Pt. 3, 1833,
text to plate 27TYPE: *parreysii* = quatuorlineata*Elaphe bairdi* (YARROW)*Coluber bairdi* YARROW

Bull. U. S. Nat. Mus., No. 17, 1880, p. 41.

Elaphe bairdi STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 82.

Coluber bairdii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 854, fig. 198.

TYPE LOCALITY: Fort Davis, 50 miles northwest of Presidio, Texas.

RANGE: Known from type locality only.

Elaphe chlorosoma (GÜNTHER)*Coluber chlorosoma* GÜNTHER

Biol. Centr.-Amer., Rept., 1894, p. 115, pl. 41.

Elaphe chlorosoma STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 82.

TYPE LOCALITY: Atoyak and Amula in Guerrero and San Ramon in Jalisco, Mexico.

RANGE: Guerrero and Jalisco, Mexico, northward to the Santa Rita Mountains in Arizona.

Elaphe guttata (LINNÉ)

CORN-SNAKE

Coluber guttatus LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 385.

Elaphis guttatus DUMÉRIL and BIBRON

Erp. Gén., Vol. 7, 1854, p. 273.

Coluber guttatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 833, figs. 189, 190.

TYPE LOCALITY: Carolina.

RANGE: Maryland to Florida, Louisiana and Mississippi.

Elaphe laeta (BAIRD and GIRARD)

Scotophis laetus BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 77.

Elaphe laeta STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 82.

Coluber laetus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 850, fig. 196.

Coluber emoryi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 852, fig. 197.

TYPE LOCALITY: Red River, Arkansas.

RANGE: Kansas southward to Central Mexico.

Elaphe obsoleta obsoleta (SAY)

PILOT BLACK-SNAKE

Coluber obsoletus SAY

Long's Exp. Rocky Mts., Vol. 1, 1823, p. 140.

Elaphis obsoletus GARMAN

Mem. Mus. Comp. Zoöl., Vol. 8, Pt. 3, 1883, p. 54.

Coluber obsoletus obsoletus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 844, fig. 194.

TYPE LOCALITY: Isle au Vache [sic] to Council Bluffs on the Missouri River.

RANGE: Southern New England westward to Michigan, southward to Texas, Louisiana, and Florida.

Elaphe obsoleta confinis (BAIRD and GIRARD)

Scotophis confinis BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 76.

Elaphe obsoleta confinis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 83.

Coluber confinis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 829, fig. 187.

TYPE LOCALITY: Anderson, South Carolina.

RANGE: South Atlantic and Gulf States and states of southern Mississippi Valley.



Elaphe obsoleta lindheimerii (BAIRD and GIRARD)

Scotophis lindheimerii BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 74.

Elaphis obsoletus var. *lindheimerii* GARMAN

Mem. Mus. Comp. Zool., Vol. 8, Pt. 3, 1883, p. 54.

Coluber obsoletus (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 844.

TYPE LOCALITY: New Braunfels, Texas.

RANGE: Texas.

Elaphe quadrivittata (HOLBROOK)

CHICKEN-SNAKE

Coluber quadrivittatus HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 113, pl. 21.

Elaphis quadrivittatus DUMÉRIL and BIBRON

Erp. Gén., Vol. 7, 1854, p. 265.

Coluber quadrivittatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 838, fig. 192.

TYPE LOCALITY: "North Carolina to Florida and westward as far as the Mississippi."

RANGE: Carolina to Florida and west to the Mississippi River.

Elaphe rosacea (COPE)

Coluber rosaceus COPE

Proc. U. S. Nat. Mus., Vol. 11, 1888, p. 388, pl. 36, fig. 3.

Elaphe rosacea BARBOUR

Copeia, No. 84, July 31, 1920, p. 68.

TYPE LOCALITY: Key West, Florida.

RANGE: The lower Florida Keys.

Elaphe rosaliae (MOCQUARD)

Coluber rosaliae MOCQUARD

Nouv. Arch. Mus. Hist. Nat. Paris, Ser. 4, Vol. 1, 1899, p. 321, pl. 12, figs. 1-1b.

Elaphe rosaliae STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 84.

TYPE LOCALITY: Sta. Rosalia, Lower California.

RANGE: Central and southern Lower California.

Elaphe subocularis (BROWN)

Coluber subocularis BROWN

Proc. Ac. Nat. Sci. Phila., 1901, p. 492, pl. 29.

Elaphe subocularis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 84.

TYPE LOCALITY: Davis Mountains, Jeff Davis Co., 50 miles south of Pecos, Texas.

RANGE: Davis Mountains, Texas.

Elaphe vulpina (BAIRD and GIRARD)

FOX-SNAKE

Scotophis vulpinus BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 75.

Elaphe vulpinus RUTHVEN

Eleventh Rep. Mich. Ac. Sci., 1909, p. 116.

Coluber vulpinus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 831, fig. 188.

TYPE LOCALITY: Racine, Wisconsin.

RANGE: Indiana, Iowa, and Illinois, to Michigan, Minnesota, and Lake Superior.

Drymobius (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *margaritiferus*

Drymobius margaritiferus (SCHLEGEL)

Herpetodryas margaritiferus SCHLEGEL

Essai Physion. Serp., Vol. 2, 1837, p. 184.

Drymobius margaritiferus COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 561.

TYPE LOCALITY: New Orleans (in errore).

RANGE: Southwestern Texas to Venezuela and Colombia.

Drymarchon (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *corais*

Drymarchon corais couperi (HOLBROOK)

GOPHER-SNAKE, INDIGO-SNAKE

Coluber couperi HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 3, 1842, p. 75, pl. 16.

Drymarchon corais couperi STRECKER

Baylor Bulletin, Vol. 18, No. 4, Aug. 1915, p. 32.

Composoma corais couperii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 858, figs. 199, 200.

TYPE LOCALITY: Dry pine hills south of Alatomaha [sic], Georgia.

RANGE: Carolinas to Florida, westward to Texas.

Drymarchon corais melanurus (DUMÉRIL and BIBRON)¹*Spilotes melanurus* DUMÉRIL and BIBRON

Erp. Gén., Vol. 7, 1854, p. 224.

Drymarchon corais melanurus STEJNEGER

N. Amer. Fauna, No. 14, 1899, p. 70.

TYPE LOCALITY: Mexico.

RANGE: Extreme southeastern Texas to northwestern South America.

Arizona (GENUS)

KENNICOTT in BAIRD, U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 18

TYPE: *elegans***Arizona elegans KENNICOTT***Arizona elegans* KENNICOTT

in Baird, U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 18, pl. 13.

Rhinechis elegans COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 863, fig. 201.

TYPE LOCALITY: Rio Grande, Texas, and between Arkansas and Cimarron, Oklahoma.

RANGE: Border states of United States and northern states of Mexico.

Pituophis (GENUS)

HOLBROOK, N. Amer. Herp., Ed. 2, Vol. 4, 1842, p. 7

TYPE: *melanoleucus***Pituophis catenifer catenifer (BLAINVILLE)**

WESTERN BULL-SNAKE

Coluber catenifer BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 290, pl. 26, figs. 2-2b.

Pituophis catenifer BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 69.

Pityophis catenifer COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 876, fig. 208.

TYPE LOCALITY: California.

RANGE: California to British Columbia.

Pituophis catenifer annectens (BAIRD and GIRARD)*Pituophis annectens* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 72.

Pituophis catenifer annectens VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 9, Aug. 21, 1919, p. 216.

¹ Probably invalid.

TYPE LOCALITY: San Diego, California.

RANGE: Coast region of southern and northern Lower California.

Pituophis catenifer deserticola STEJNEGER

Pituophis catenifer deserticola STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 206.

TYPE LOCALITY: Great basin and southwestern deserts.

RANGE: Desert regions of southern California and Nevada.

Pituophis catenifer heermanni (HALLOWELL)

Pituophis heermanni HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1853, p. 236.

Pituophis catenifer heermanni VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 16, pl. 1, fig. 1.

TYPE LOCALITY: Mines on the Cosumnes River, California.

RANGE: Southern Oregon and northern California.

Pituophis catenifer rutilus VAN DENBURGH

Pituophis catenifer rutilus VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 24, pl. 2, fig. 2.

TYPE LOCALITY: Tucson, Arizona.

RANGE: Southern and central Arizona to northern Lower California; northern Chihuahua.

Pituophis catenifer stejnegeri VAN DENBURGH

Pituophis catenifer stejnegeri VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 21, pl. 2, fig. 1.

TYPE LOCALITY: Fort Douglas, Salt Lake Co., Utah.

RANGE: Utah.

Pituophis melanoleucus (DAUDIN)

PINE-SNAKE

Coluber melanoleucus DAUDIN

Hist. Nat. Rept., Vol. 6, 1803, p. 409.

Pituophis melanoleucus HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 4, 1842, p. 7, pl. 1.

Pityophis melanoleucus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 867, fig. 203.

Pituophis melanoleucus melanoleucus BARBOUR.

Proc. N. Engl. Zool. Club, Vol. 7, Oct. 22, 1921, p. 117.

TYPE LOCALITY: South Carolina and Florida.

RANGE: Pine barrens of southern New Jersey to South Carolina.

Pituophis mugitus¹ (BARBOUR)*Pituophis melanoleucus mugitus* BARBOUR

Proc. N. Engl. Zool. Club, Vol. 7, Oct. 22, 1921, p. 117.

TYPE LOCALITY: Ten miles north of West Palm Beach, Florida.

RANGE: Peninsular Florida.

Pituophis sayi (SCHLEGEL)

BULL-SNAKE

Coluber sayi SCHLEGEL

Essai Physion. Serp., Vol. 2, 1837, p. 157.

Pityophis sayi sayi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 870, fig. 204.

TYPE LOCALITY: Missouri.

RANGE: Texas to Minnesota.

Pituophis vertebralis (BLAINVILLE)*Coluber vertebralis* BLAINVILLE

Nouv. Ann. Mus. Hist. Nat., Paris, Vol. 4, 1835, p. 293, pl. 27, figs. 2-2b.

Pituophis vertebralis DUMÉRIL and BIBRON

Erp. Gén., Vol. 7, 1854, p. 238.

Pityophis vertebralis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 879, fig. 209.

TYPE LOCALITY: California, a term which formerly included Lower California.

RANGE: Southern and central Lower California.

Leimadophis (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *almadensis* = *regina***Leimadophis flavilatus** (COPE)*Dromicus flavilatus* COPE

Proc. Ac. Nat. Sci. Phila., 1871, p. 222.

Leimadophis flavilatus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed., 1, 1917, p. 86.

Rhadinaea flavilata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 759, fig. 164.

TYPE LOCALITY: Fort Macon, North Carolina.

RANGE: The Carolinas to Florida.

¹ This species and the preceding may be subspecies but they are very different and their respective ranges may not meet.

Lampropeltis (*GENUS*)

FITZINGER, Syst. Rept., 1843, p. 25

TYPE: *getulus* SCHLEGEL, nec LINNÉ = holbrooki**Lampropeltis agalma** VAN DENBURGH and SLEVIN*Lampropeltis agalma* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 13, No. 1, July 25, 1923, p. 2.

TYPE LOCALITY: Alcatraz, San Pedro Martir Mts., Lower California.

RANGE: San Pedro Martir range.

Lampropeltis alterna (BROWN)*Ophibolus alternus* BROWN

Proc. Ac. Nat. Sci. Phila., 1901 (Feb. 6, 1902), p. 612.

Lampropeltis alterna STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 87.

TYPE LOCALITY: Davis Mountains, Jeff Davis Co., Texas.

RANGE: Davis Mountains, Texas.

Lampropeltis californiae californiae (BLAINVILLE)*Coluber (Ophis) californiae* BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 292, pl. 27, figs. 1-1b.

Lampropeltis californiae californiae BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 87, 1920, p. 3.

Ophibolus getulus californiae COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 922, fig. 231.

TYPE LOCALITY: California.

RANGE: Southern California.

Lampropeltis californiae nitida (VAN DENBURGH)*Lampropeltis nitida* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 143, pl. 14.

Lampropeltis californiae nitida BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 87, 1920, p. 3.

TYPE LOCALITY: San José del Cabo, Lower California.

RANGE: Southern Lower California.

Lampropeltis calligaster (HARLAN)*Coluber calligaster* HARLAN

Journ. Ac. Nat. Sci. Phila., Vol. 5, 1827, p. 359.

Lampropeltis calligaster COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 255.

Ophibolus calligaster COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 905, fig. 223.



TYPE LOCALITY: Missouri.

RANGE: Illinois and Wisconsin to Texas.

Lampropeltis catalinensis VAN DENBURGH and SLEVIN

Lampropeltis catalinensis VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 397.

TYPE LOCALITY: Santa Catalina Island, Gulf of California.

RANGE: Same.

Lampropeltis elapsoides elapsoides (HOLBROOK)

Coluber elapsoides HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 2, 1838, p. 123, pl. 28.

Lampropeltis elapsoides STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 88.

Osceola elapsoides COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 900, fig. 221.

TYPE LOCALITY: South Carolina and Georgia.

RANGE: Southeastern states to Florida and Louisiana.

Lampropeltis elapsoides virginiana BLANCHARD

Lampropeltis elapsoides virginiana BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 81, Apr. 28, 1920, p. 2.

TYPE LOCALITY: Raleigh, North Carolina.

RANGE: Northern North Carolina and Virginia, east of the Allegheny Mts.

Lampropeltis getulus getulus (LINNÉ)

KING-SNAKE, CHAIN-SNAKE

Coluber getulus LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 382.

Lampropeltis getula COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 255.

Ophibolus getulus getulus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 914, figs. 227, 228.

TYPE LOCALITY: Carolina.

RANGE: Southern New England to northern Florida.

Lampropeltis getulus boylii (BAIRD and GIRARD)

Ophibolus boylii BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 82.

Lampropeltis getulus boylii BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 87, 1920, p. 3.

Ophibolus getulus boylii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 919, fig. 230.

TYPE LOCALITY: El Dorado County, California.

RANGE: Arizona, western Nevada, California.

Lampropeltis getulus brooksi BARBOUR*Lampropeltis getulus brooksi* BARBOUR

Proc. N. Engl. Zool. Club, Vol. 7, June 5, 1919, p. 1, pl. 1.

TYPE LOCALITY: Royal Palm Hammock, 14 miles southwest of Homestead, Dade Co., southeastern Florida.

RANGE: The tropical southeastern corner of Dade County, Florida.

Lampropeltis getulus conjuncta (COPE)*Lampropeltis boylii* var. *conjuncta* COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 301.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southwestern Arizona and Lower California.

Lampropeltis getulus floridana BLANCHARD*Lampropeltis getulus floridana* BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 70, May 5, 1919, p. 1, pl. 1, fig. 1.

TYPE LOCALITY: Orange Hammock, De Soto Co., Florida.

RANGE: Florida from Orange County in the north to central Dade County in the southeast.

Lampropeltis getulus holbrooki (STEJNEGER)*Lampropeltis holbrooki* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 25, Sept. 8, 1902, p. 152.

Lampropeltis getulus holbrooki HURTER and STRECKER

Trans. Ac. Sci. St. Louis, Vol. 18, 1909, p. 26.

Ophibolus getulus sayi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 911, fig. 226.

TYPE LOCALITY: Valley of the Mississippi.

RANGE: Louisiana to Texas, northward through the states of the Mississippi basin mostly west of the river, to southern Iowa and southern Nebraska.

Lampropeltis getulus nigra (YARROW)*Ophibolus getulus niger* YARROW

Proc. U. S. Nat. Mus., Vol. 5, 1882, p. 438.

Lampropeltis getulus niger BLANCHARD

Bull. U. S. Nat. Mus., No. 114, 1921, p. 43, fig. 33.

TYPE LOCALITY: Wheatland, Indiana.

RANGE: Northern Alabama, Tennessee, Kentucky, and southern Indiana.

Lampropeltis getulus splendida (BAIRD and GIRARD)*Ophibolus splendidus* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 83.

Lampropeltis splendida COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 255.

Ophibolus getulus splendidus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 918, fig. 229.

TYPE LOCALITY: Sonora, Mexico.

RANGE: Northern Mexico and the boundary region.

Lampropeltis getulus yumanensis BLANCHARD*Lampropeltis getulus yumanensis* BLANCHARD

Occ. Papers Mus. Zool. Univ. Michigan, No. 81, 1919, p. 6, pl. 1, fig. 2.

TYPE LOCALITY: 27 miles west of Indian Oasis, Pima Co., Arizona.

RANGE: Southwestern Arizona, southeastern California, and adjacent areas of Sonora and Lower California.

Lampropeltis herrerae VAN DENBURGH and SLEVIN*Lampropeltis herrerae* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 13, No. 1, July 25, 1923, p. 2.

TYPE LOCALITY: South Todos Santos Island, Lower California.

RANGE: Same.

*Lampropeltis multicincta*¹ (YARROW)*Ophibolus getulus multicinctus* YARROW

Proc. U. S. Nat. Mus., Vol. 5, 1882, p. 440.

Lampropeltis multicincta BLANCHARD

Bull. U. S. Nat. Mus., No. 114, 1921, p. 222.

Lampropeltis pyromelaena multicincta STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 89.

TYPE LOCALITY: Fresno, California.

RANGE: Moist coniferous forests of California.

Lampropeltis pyromelana (COPE)*Ophibolus pyromelanus* COPE

Proc. Ac. Nat. Sci. Phila., 1866, p. 305.

Lampropeltis pyrrhomelaena STEJNEGER

Proc. U. S. Nat. Mus., Vol. 25, 1902, p. 152.

Ophibolus pyrrhomelas COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 907, fig. 224.

TYPE LOCALITY: Fort Whipple, Arizona.

RANGE: Southern Arizona.

Lampropeltis rhombomaculata (HOLBROOK)

MOLE-SNAKE

Coluber rhombomaculatus HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 4, 1840, p. 103, pl. 20.

¹ *Bellophis zonatus* Lockington, 1877, but probably not *Coluber zonatus* Blainville, 1855.

Lampropeltis rhombomaculata COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 255.

Ophibolus rhombomaculatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 903, fig. 222.

TYPE LOCALITY: Georgia and Alabama.

RANGE: Maryland to Georgia and Alabama.

Lampropeltis triangulum triangulum (LACÉPÈDE)

MILK-SNAKE

Coluber triangulum LACÉPÈDE

Hist. Nat. Quadr. Ovip. Serp., Vol. 2, 1788, tabl. méth., p. 86.

Lampropeltis triangula COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 256.

Oseola doliata triangula COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 885, figs. 210-215.

TYPE LOCALITY: America.

RANGE: Eastern North America from Maine to Iowa, south to Virginia and in the mountains farther south.

Lampropeltis triangulum amaura (COPE)*Lampropeltis amaura* COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 258.

Lampropeltis triangulum amaura STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 90.

Oseola doliata coccinea COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 896, fig. 220 (not of Schlegel).

TYPE LOCALITY: "Unknown" (original entry of type U. S. Nat. Mus. No. 5282 reads "?Mississippi").

RANGE: Eastern United States, west to Texas, south to the Gulf.

Lampropeltis triangulum annulata (KENNICOTT)*Lampropeltis annulata* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 329.

Lampropeltis triangulum annulata BLANCHARD

Bull. U. S. Nat. Mus., No. 114, 1921, p. 159.

Oseola doliata annulata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 895, fig. 219.

TYPE LOCALITY: Matamoros, Mexico.

RANGE: Southeastern Texas and northeastern Mexico.

Lampropeltis triangulum gentilis (BAIRD and GIRARD)*Ophibolus gentilis* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 90.

Lampropeltis triangulum gentilis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 90.

Osceola doliata gentilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 894, fig. 218.

Lampropeltis pyromelaena celacnops STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 89.

TYPE LOCALITY: North Fork, Red River, near Sweetwater Creek, Wheeler Co., Texas.

RANGE: Texas and northwestern Mexico.

Lampropeltis triangulum syspila (COPE)*Ophibolus doliatus syspilus* COPE

Proc. U. S. Nat. Mus., Vol. 11, 1888, p. 384.

Lampropeltis triangulum syspila RUTHVEN

Occ. Papers Mus. Zool. Univ. Michigan, No. 66, 1919, p. 3.

Osceola doliata syspila COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 891, fig. 216.

TYPE LOCALITY: Richland County, Illinois.

RANGE: Arkansas and Tennessee northward to Iowa, Illinois, and Indiana.

Stylophis (GENUS)

BERG, Comun. Mus. Nac. Buenos Aires, Vol. 1, 1901, p. 290

TYPE: *extenuatus**Stylophis extenuatus* (BROWN)*Stilosoma extenuatum* BROWN

Proc. Ac. Nat. Sci. Phila., 1890, p. 199.

Stylophis extenuatus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 90.

Stilosoma extenuatum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 924, fig. 232.

TYPE LOCALITY: Lake Kerr, Marion Co., Florida.

RANGE: North central Florida.

Contia (GENUS)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 110

TYPE: *mitis* = *tenuis**Contia tenuis* (BAIRD and GIRARD)*Calamaria tenuis* BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 176.

Contia tenuis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 91.

Contia mitis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 925, fig. 233.

Lodia tenuis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 927, fig. 234.

TYPE LOCALITY: Puget Sound, Washington.
 RANGE: Southern California to Puget Sound.

Cemophora (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1860, p. 244

TYPE: *coccinea*

Cemophora coccinea (BLUMENBACH)

Coluber coccineus BLUMENBACH

Voigt's Mag. Neu. Phys. Naturg., Vol. 5, Pt. 1, 1788, p. 11, pl. 1.

Cemophora coccinea COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 244.

Cemophora coccinea COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 928, fig. 235.

TYPE LOCALITY: Florida.

RANGE: Maryland to Alabama, Louisiana, and Florida.

Rhinocheilus (*GENUS*)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 120

TYPE: *lecontei*

Rhinocheilus lecontei BAIRD and GIRARD

Rhinocheilus lecontei BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 120.

Rhinocheilus lecontei COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 931, fig. 236.

TYPE LOCALITY: San Diego, California.

RANGE: Idaho to Lower California, east to Texas, northern Mexico.

Sonora (*GENUS*)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 117

TYPE: *semiannulata*

Sonora occipitalis (HALLOWELL)

Rhinostoma occipitale HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 95.

Sonora occipitalis VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 3, 1913, p. 411.

Chionactis occipitalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 941, fig. 240.

TYPE LOCALITY: Mojave Desert.

RANGE: Southeastern California, Arizona, Colorado.

Sonora semiannulata BAIRD and GIRARD*Sonora semiannulata* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 117.

Chionactis episcopus isozonus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 939, fig. 239.

*Sonora episcopa*¹ STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 92.

TYPE LOCALITY: Sonora, Mexico.

RANGE: Utah to Nevada, Arizona, southern Kansas and Texas; also southeastern California and the adjacent regions of Mexico.

Sonora taylori (BOULENGER)*Contia taylori* BOULENGER

Cat. Snakes Brit. Mus., Vol. 2, 1894, p. 265, pl. 12, fig. 3.

Sonora taylori STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 92.

Chionactis taylori COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 936.

TYPE LOCALITY: Duval County, Texas, and Nuevo Leon, Mexico.

RANGE: Southern Texas and northeastern Mexico.

Ficimia (GENUS)

GRAY, Cat. Snakes Brit. Mus., 1849, p. 80

TYPE: *olivacea***Ficimia cana** (COPE)*Gyalopion canum* COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 243.

Ficimia cana GARMAN

Mem. Mus. Comp. Zoöl., Vol. 8, Pt. 3, 1883, p. 83.

Gyalopium canum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 947, fig. 241.

TYPE LOCALITY: Fort Buchanan, Arizona.

RANGE: Western Texas to Arizona.

Hypsiglena (GENUS)

COPE, Proc. Ac. Nat. Sci. Phila., 1860, p. 246

TYPE: *ochrorhynchus***Hypsiglena ochrorhynchus ochrorhynchus** (COPE)*Hypsiglena ochrorhynchus* COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 246.

Hypsiglena ochrorhyncha COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 953, fig. 245.

¹ *Sonora episcopa* is a synonym *fide* Ortenburger, Copeia, No. 121, July 20, 1923, p. 81.

TYPE LOCALITY: Cape St. Lucas, Lower California.
RANGE: Southern and Lower California, Arizona, southern Utah, southern Nevada, and northwestern Mexico.

Hypsiglena ochrorhynchus texana (STEJNEGER)

Hypsiglena texana STEJNEGER

N. Amer. Fauna, No. 7, 1893, p. 205.

Hypsiglena ochrorhynchus texana STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 93.

TYPE LOCALITY: Between Laredo and Camargo, Texas.
RANGE: Southwestern Texas.

Chilomeniscus (GENUS)

COPE, Proc. Ac. Nat. Sci. Phila., 1860, p. 339

TYPE: *stramineus*

Chilomeniscus cinctus COPE

Chilomeniscus cinctus COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 303.

TYPE LOCALITY: Guaymas, Mexico.
RANGE: Colorado Desert to adjacent Sonora and central Lower California.

Chilomeniscus ephippicus COPE

Chilomeniscus ephippicus COPE

Proc. Ac. Nat. Sci. Phila., 1867, p. 85.

Chilomeniscus ephippicus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 950, fig. 243.

TYPE LOCALITY: Owens Valley, California.
RANGE: Southern Arizona and California.

Chilomeniscus punctatissimus VAN DENBURGH and SLEVIN

Chilomeniscus punctatissimus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, July 30, 1921, p. 98.

TYPE LOCALITY: Isla Partida, Espiritu Santo Island, Lower California.
RANGE: Same.

Chilomeniscus stramineus COPE

Chilomeniscus stramineus COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 339.

Chilomeniscus stramineus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 949, fig. 242.

TYPE LOCALITY: Cape St. Lucas, Lower California.
RANGE: Southern Lower California.

Natrix (*GENUS*)

LAURENTI, Syn. Rept., 1768, p. 73

TYPE: *vulgaris* = *natrix***Natrix clarkii** (BAIRD and GIRARD)*Regina clarkii* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 48.

Natrix clarkii COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 669.

Natrix clarkii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 987, fig. 261.

TYPE LOCALITY: Indianola, Texas.

RANGE: Coastal regions of northwest Florida to Texas.

Natrix compressicauda (KENNICOTT)

SALT-WATER MOCCASIN

Nerodia compressicauda KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 335.

Natrix compressicauda COPE

Proc. U. S. Nat. Mus., Vol. 11, 1889, p. 392.

Natrix compressicauda COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 978, fig. 255.

TYPE LOCALITY: Tampa Bay, Florida.

RANGE: Southwestern Florida, especially the mangrove swamps of the extreme southern coast and the Keys.

Natrix cyclopion (DUMÉRIL and BIBRON)*Tropidonotus cyclopion* DUMÉRIL and BIBRON

Erp. Gén., Vol. 7, 1854, p. 576.

Natrix cyclopium COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 673.

Natrix cyclopium COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 961, figs. 247, 248.

TYPE LOCALITY: New Orleans.

RANGE: Florida to Louisiana and northward up the Mississippi Valley to southern Illinois.

Natrix grahamii (BAIRD and GIRARD)*Regina grahamii* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 47.

Natrix grahamii COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 668.

Natrix grahamii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 991, fig. 264.

TYPE LOCALITY: Rio Salado, Texas.

RANGE: Illinois southward to Louisiana and Texas.

Natrix kirtlandii (KENNICOTT)

Regina kirtlandii KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1856, p. 95.

Natrix kirtlandii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 995, fig. 266.

TYPE LOCALITY: Northern Illinois.

RANGE: Michigan, Wisconsin, Illinois, Indiana, and Ohio.

Natrix rhombifera (HALLOWELL)

Tropidonotus rhombifer HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 177.

Natrix rhombifera COPE

Proc. U. S. Nat. Mus., Vol. 11, 1889, p. 398.

Natrix rhombifera COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 963, fig. 249.

TYPE LOCALITY: Arkansas River and its tributaries near the northern boundary of the Creek Nation.

RANGE: Southern Illinois and Indiana south to Vera Cruz, Mexico.

Natrix rigida (SAY)

Coluber rigidus SAY

Journ. Ac. Nat. Sci. Phila., Vol. 4, Pt. 2, 1825, p. 239.

Natrix rigida COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 668.

Natrix rigida COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 989, fig. 262.

TYPE LOCALITY: The Southern States.

RANGE: The Carolinas to Florida.

Natrix septemvittata (SAY)

MOON-SNAKE, QUEEN-SNAKE

Coluber septemvittatus SAY

Journ. Ac. Nat. Sci. Phila., Vol. 4, Pt. 2, 1825, p. 240.

Natrix septemvittata COPE

Trans. Amer. Philos. Soc., Vol. 18, 1895, p. 216.

Natrix leberis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 993, fig. 265.

TYPE LOCALITY: Pennsylvania.

RANGE: Central, Eastern, and Gulf States from Pennsylvania, Ohio, and Wisconsin southward.



Natrix sipedon sipedon¹ (LINNÉ)

WATER-SNAKE

Coluber sipedon LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 219.

Natrix sipedon KIRSCH

Bull. U. S. Fish Comm., Vol. 14, 1895, p. 333.

Natrix fasciata sipedon COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 969, fig. 251.

TYPE LOCALITY: North America.

RANGE: Northern and northeastern United States.

Natrix sipedon fasciata² (LINNÉ)*Coluber fasciatus* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 378.

Natrix sipedon fasciata STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 96.

Natrix fasciata fasciata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 966, fig. 250.

TYPE LOCALITY: Carolina.

RANGE: Virginia to Florida, westward to Louisiana and northward up the Mississippi through all the central states to Nebraska and Indiana.

Natrix sipedon pictiventris (COPE)*Natrix fasciata pictiventris* COPE

Amer. Nat., Vol. 29, 1895, p. 677.

Natrix sipedon pictiventris STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 96.

Natrix fasciata pictiventris COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 969.

TYPE LOCALITY: Palatka, Florida.

RANGE: Peninsula of Florida.

¹ Blanchard, evidently planning a considerable revision of the sipedon-fasciata group of *Natrix*, has proposed a new subspecies which we recognize as proposed without as yet making the nomenclatural changes predicated:

Natrix fasciata confluens BLANCHARD.

Occ. Papers Mus. Zool. Univ. Michigan, No. 140, July 9, 1923, p. 1.

TYPE LOCALITY: Butler County, Michigan.

RANGE: Eastern Louisiana north through southern and eastern Arkansas to southeastern Missouri and west in Texas to about the 98th Meridian.

² Apparent forms which are more or less uniformly rufescent are found in the ranges of both the subspecies *fasciata* and *sipedon*. To these the names of *Natrix sipedon erythrogaster* (Forster in Bossu, Travels through North America, Vol. 1, 1771, p. 364, footnote) and *Natrix sipedon fulviventris* (Rafinesque, Ann. Nat., 1820, No. 1, p. 6) have been given.

Natrix sipedon transversa (HALLOWELL)*Tropidonotus transversus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 177.

Natrix sipedon transversa HURTER

Herp. Missouri, 1911, p. 157.

Natrix fasciata transversa COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 973, fig. 252.

TYPE LOCALITY: Creek boundary, found near the banks of the Arkansas and its tributaries.

RANGE: Texas, Oklahoma, Arkansas.

Natrix taxispilota (HOLBROOK)

WATER-PILOT

Tropidonotus taxispilotus HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 4, 1842, p. 35, pl. 8.

Natrix taxispilota COPE

Proc. U. S. Nat. Mus., Vol. 11, 1889, p. 392.

Natrix taxispilota COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 959, fig. 246.

TYPE LOCALITY: South Carolina seaboard and the Altamaha River, Georgia.

RANGE: Virginia, the Carolinas to Florida, west to Louisiana.

Natrix valida (KENNICOTT)*Regina valida* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 334.

Natrix valida COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 670.

Natrix valida COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 984, figs. 258, 259.

TYPE LOCALITY: Durango, Mexico.

RANGE: Western Mexico, Lower California.

Seminatrix (GENUS)

COPE, Amer. Nat., Vol. 29, 1895, p. 678

TYPE: *pygaea***Seminatrix pygaea** (COPE)*Contia pygaea* COPE

Proc. Ac. Nat. Sci. Phila., 1871, p. 223.

Seminatrix pygaea COPE

Amer. Nat., Vol. 29, 1895, p. 678.

Seminatrix pygaea COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 998, fig. 267.

TYPE LOCALITY: Volusia, Florida.

RANGE: Florida peninsula.

Storeria (*GENUS*)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 135

TYPE: *dekayi***Storeria dekayi** (HOLBROOK)

DEKAY'S SNAKE

Tropidonotus dekayi HOLBROOK

N. Amer. Herp., Ed. 2, Vol. 4, 1842, p. 53, pl. 14.

Storeria dekayi BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 135.

Storeria dekayi COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1000, fig. 268.

TYPE LOCALITY: Massachusetts and New York.

RANGE: Eastern North America, Ontario to Vera Cruz, west to Kansas.

Storeria occipito-maculata (STORER)

RED-BELLIED SNAKE

Coluber occipito-maculatus STORER

Rep. Fish. Rept. Birds Massachusetts, 1839, p. 230.

Storeria occipito-maculata BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 137.

Storeria occipitomaculata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1003, fig. 269.

TYPE LOCALITY: Amherst, Mass.

RANGE: Ontario to Vera Cruz, westward to Kansas, northward to Lake Superior.

Storeria victa HAY*Storeria victa* HAY

Science, Ser. 1, Vol. 19, April 8, 1892, p. 199.

TYPE LOCALITY: Oklawaha River, some distance north of Kissimmee, Florida.

RANGE: Florida.

Virginia (*GENUS*)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 127

TYPE: *valeriae***Virginia elegans** KENNICOTT*Virginia elegans* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1859, p. 99.

Virginia elegans COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1007, fig. 271.

TYPE LOCALITY: Heavily timbered regions of southern Illinois.

RANGE: Illinois, Indiana, and Missouri southward to Texas.

Virginia valeriae BAIRD and GIRARD*Virginia valeriae* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 127.

Virginia valeriae COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1006, fig. 270.

TYPE LOCALITY: Kent County, Maryland.

RANGE: New Jersey to South Carolina, west to Tennessee.

Amphiardis (GENUS)

COPE, Proc. U. S. Nat. Mus., Vol. 11, 1889, p. 391

TYPE: *inornatus***Amphiardis inornatus** (GARMAN)*Virginia inornata* GARMAN

Mem. Mus. Comp. Zoöl., Vol. 8, Pt. 3, 1883, p. 97.

Amphiardis inornatus COPE

Proc. U. S. Nat. Mus., Vol. 14, 1892, p. 675.

Amphiardis inornatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1009.

TYPE LOCALITY: Dallas, Texas.

RANGE: Texas and Oklahoma.

Potamophis (GENUS)

FITZINGER, Syst. Rept., 1843, p. 25

TYPE: *striatulus***Potamophis striatulus** (LINNÉ)*Coluber striatulus* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 375.

Potamophis striatulus GARMAN

Bull. Essex Inst., Vol. 24, 1892, p. 105.

Haldea striatula COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1009, fig. 272.

TYPE LOCALITY: Carolina.

RANGE: Virginia and Minnesota southward to the Gulf States.

Tropidoclonion (GENUS)

COPE, Proc. Ac. Nat. Sci. Phila., 1860, p. 76

TYPE: *lineatum***Tropidoclonion lineatum** (HALLOWELL)*Microps lineatus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., 1856, p. 241.

Tropidoclonion lineatum COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 76.

Tropidoclonium lineatum COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1011, fig. 273.

TYPE LOCALITY: Kansas.

RANGE: Ohio to Iowa and southeastern South Dakota and through Missouri, Kansas, and Arkansas to Oklahoma and Texas.

Liodytes (GENUS)

COPE, Proc. Amer. Philos. Soc., Vol. 22, 1885, p. 194

TYPE: *alleni**Liodytes alleni* (GARMAN)*Helicops alleni* GARMAN

Proc. Boston Soc. Nat. Hist., Vol. 17, 1874, p. 92.

Liodytes alleni COPE

Proc. U. S. Nat. Mus., Vol. 11, 1888, p. 393.

Liodytes allenii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1013, fig. 274.

TYPE LOCALITY: Jacksonville, Florida.

RANGE: Florida.

Thamnophis (GENUS)

FITZINGER, Syst. Rept., 1843, p. 26

TYPE: *sauritus*

GARTER-SNAKES

Thamnophis angustirostris (KENNICOTT)*Eutaenia angustirostris* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 332.

Thamnophis angustirostris RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 120.

Eutaenia angustirostris COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1047, fig. 290.

TYPE LOCALITY: Parras, Coahuila, Mexico.

RANGE: Southeastern Arizona and southwestern New Mexico south to Coahuila and Durango.

Thamnophis butleri (COPE)*Eutaenia butleri* COPE

Proc. U. S. Nat. Mus., Vol. 11, 1889, p. 399.

Thamnophis butleri STEJNEGER

Proc. U. S. Nat. Mus., Vol. 17, 1895, p. 593.

Eutaenia butlerii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1031, fig. 281.

TYPE LOCALITY: Richmond, Indiana.

RANGE: Western Pennsylvania, through Ohio and Indiana, southern Michigan.

Thamnophis eques (REUSS)

Coluber eques REUSS

Mus. Senckenberg. Abh., Vol. 1, 1834, p. 152, pl. 8, fig. 2.

Thamnophis eques RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 158.

Eutaenia eques COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1049, figs. 291-293.

TYPE LOCALITY: Mexico.

RANGE: Arizona and New Mexico southward to Guatemala.

Thamnophis marcianus (BAIRD and GIRARD)

Eutainia marciana BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 36.

Thamnophis marcianus RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 58.

Eutaenia elegans marciana COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1044, fig. 289.

TYPE LOCALITY: "Red River, Arkansas" [Oklahoma].

RANGE: Oklahoma and Texas west to southeastern California, northeastern Mexico.

Thamnophis megalops (KENNICOTT)

Eutaenia megalops KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 330.

Thamnophis megalops RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 44.

Eutaenia megalops COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1025, fig. 278.

TYPE LOCALITY: Tucson and Sta. Magdalena, Arizona.

RANGE: The whole Mexican plateau region north to Arizona and southwestern New Mexico, and the Cocopah Mountains, Lower California.

Thamnophis ordinoides ordinoides (BAIRD and GIRARD)

Tropidonotus ordinoides BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 176.

Thamnophis ordinoides RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 147.

Eutaenia elegans ordinoides COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1046.

TYPE LOCALITY: Puget Sound.

RANGE: Coastal region of California, Oregon, and Washington.

Thamnophis ordinoides atratus (KENNICOTT)*Eutainia atrata* KENNICOTT

U. S. Pacific R. R. Surv., Vol. 12, Pt. 2, 1860, p. 296.

Thamnophis ordinoides atratus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 8, 1918, p. 224, pl. 9.

TYPE LOCALITY: California.

RANGE: Coast region of California from Del Norte to Santa Barbara Counties.

Thamnophis ordinoides biscutatus (COPE)*Eutaenia biscutata* COPE

Proc. Ac. Nat. Sci. Phila., 1883, p. 21.

Thamnophis ordinoides biscutatus VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 8, 1918, p. 245, pl. 11.

TYPE LOCALITY: Klamath Lake, Oregon.

RANGE: Southern British Columbia, Vancouver Island, to Siskiyou and Modoc Counties, California.

Thamnophis ordinoides couchii (KENNICOTT)*Eutainia couchii* KENNICOTT

U. S. Pacific R. R. Surv., Vol. 10, Pt. 4, 1859, p. 10.

Thamnophis ordinoides couchii VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, 1921, p. 29.

TYPE LOCALITY: Pitt River, California.

RANGE: Sacramento and San Joaquin Valley in California eastward over the Sierra Nevada into Douglas and Washoe Counties, Nevada.

Thamnophis ordinoides elegans (BAIRD and GIRARD)*Eutainia elegans* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 34.

Thamnophis ordinoides elegans RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 138.

Eutaenia elegans elegans COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1036, fig. 284.

TYPE LOCALITY: El Dorado County, California.

RANGE: Sierra Nevada slopes of Nevada and California.

Thamnophis ordinoides hammondii (KENNICOTT)*Eutaenia hammondii* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 322.

Thamnophis ordinoides hammondii VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 8, 1918, p. 256.

Eutaenia elegans couchii (part) COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1042, fig. 288.

TYPE LOCALITY: San Diego and Fort Tejon, California.

RANGE: Southern western California and adjacent Lower California.

Thamnophis ordinoides hueyi VAN DENBURGH and SLEVIN

Thamnophis ordinoides hueyi VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 13, July 25, 1923, p. 2.

TYPE LOCALITY: Arroyo Encantada, San Pedro Martir Mts., Lower California.

RANGE: The San Pedro Martir Range.

Thamnophis ordinoides vagrans (BAIRD and GIRARD)

Eutainia vagrans BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 35.

Thamnophis ordinoides vagrans VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 8, 1918, p. 240.

Eutaenia elegans vagrans COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1039, fig. 287.

TYPE LOCALITY: California.

RANGE: Eastern Washington and Oregon, Idaho, south to northern Arizona and eastern California; San Pedro Martir Mountains, Lower California.

Thamnophis proximus (SAY)

Coluber proximus SAY

Long's Exp. Rocky Mts., Vol. 1, 1823, p. 187.

Thamnophis proxima GARMAN

Bull. Essex Inst., Vol. 24, 1892, p. 105.

Eutaenia proxima COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1022, fig. 277.

Thamnophis sauritus proximus RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 98.

TYPE LOCALITY: Stone quarry on west side of Missouri River, 3 miles above the mouth of Boyer's River.

RANGE: Nebraska, northern Iowa and southern Wisconsin, south to Louisiana and Texas and through Mexico to the coastal region of Yucatan and British Honduras.

Thamnophis radix (BAIRD and GIRARD)

Eutainia radix BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 34.

Thamnophis radix JORDAN

Man. Vertebr. Anim. North. U. S., Ed. 8, 1899, p. 193.



Eutaenia radix COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1026, fig. 279.

TYPE LOCALITY: Racine, Wisconsin.

RANGE: The Great Plains from Kansas and Missouri to the Canadian Northwest.

Thamnophis sackenii (KENNICOTT)*Eutaenia sackenii* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1859, p. 98.

Thamnophis sackenii STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 102.

Thamnophis sauritus sackenii RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 107.

Eutaenia sackenii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1019, fig. 275.

TYPE LOCALITY: Florida.

RANGE: The entire state of Florida, and southern Mississippi.

Thamnophis sauritus (LINNÉ)

RIBBON-SNAKE

Coluber saurita LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 385.

Thamnophis saurita STEJNEGER

N. Amer. Fauna, No. 7, 1893, p. 210.

Eutaenia saurita COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1020, fig. 276.

TYPE LOCALITY: Carolina.

RANGE: Michigan, Ontario, and Maine, south to Mississippi, Alabama, and Georgia.

Thamnophis sirtalis sirtalis (LINNÉ)*Coluber sirtalis* LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 222.

Thamnophis sirtalis GARMAN

Bull. Essex Inst., Vol. 24, 1892, p. 104.

Eutaenia sirtalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1064, figs. 298-303.

TYPE LOCALITY: Canada.

RANGE: Eastern United States and Canada, north to about the 50th degree of latitude, west to Minnesota, Wisconsin, and Missouri.

Thamnophis sirtalis concinnus (HALLOWELL)*Tropidonotus concinnus* HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 182.

Thamnophis sirtalis concinnus RUTHVEN

Bull. U. S. Nat. Mus., No. 61, 1908, p. 173.

Eutaenia sirtalis concinna COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1081, fig. 306.

TYPE LOCALITY: Oregon.

RANGE: Coast region of southwestern British Columbia, Vancouver Island, Washington and Oregon, west of the Sierra Nevada.

***Thamnophis sirtalis infernalis* (BLAINVILLE)**

Coluber infernalis BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 291, pl. 26, figs. 3-3a.

Thamnophis sirtalis infernalis VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 8, 1918, p. 198.

TYPE LOCALITY: California.

RANGE: Southern Oregon and California (except desert areas).

***Thamnophis sirtalis parietalis* (SAY)**

Coluber parietalis SAY

Long's Exp. Rocky Mts., Vol. 1, 1823, p. 186.

Thamnophis sirtalis var. *parietalis* JORDAN

Man. Vertebr. Anim. North. U. S., Ed. 8, 1899, p. 193.

Eutaenia sirtalis parietalis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1077, fig. 304.

TYPE LOCALITY: Stone quarry on west side of Missouri River, 3 miles above the mouth of Boyer's River.

RANGE: Iowa and Minnesota, Missouri westward to Utah, eastern Nevada, southern Idaho, and Manitoba.

***Coniophanes* (GENUS)**

COPE, Proc. Ac. Nat. Sci. Phila., 1860, p. 248

TYPE: *fissidens*

***Coniophanes imperialis* (BAIRD)**

Taeniophis imperialis BAIRD

U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 23, pl. 19, fig. 1.

Coniophanes imperialis COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 74.

Coniophanes imperialis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1097, fig. 313.

TYPE LOCALITY: Brownsville, Texas.

RANGE: Southeastern Texas to Vera Cruz, Mexico.

Leptodeira (*GENUS*)

FITZINGER, Syst. Rept., 1843, p. 27

TYPE: *annulata***Leptodeira septentrionalis** (KENNICOTT)*Dipsas septentrionalis* KENNICOTTin Baird, U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 16, pl. 8,
fig. 1.*Leptodeira septentrionalis* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 14, 1891, p. 505.

Sibon septentrionale COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1107, fig. 316.

TYPE LOCALITY: Matamoros, Mexico, and Brownsville, Texas.

RANGE: Southern Texas and northeastern Mexico.

Trimorphodon (*GENUS*)

COPE, Proc. Ac. Nat. Sci. Phila., 1861, p. 297

TYPE: *lyrophanes***Trimorphodon lyrophanes** (COPE)*Lycodon lyrophanes* COPE

Proc. Ac. Nat. Sci. Phila., 1860, p. 343.

Trimorphodon lyrophanes COPE

Proc. Ac. Nat. Sci., Phila., 1861, p. 297.

Trimorphodon lyrophanes COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1102, fig. 314.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Southern Arizona and Lower California.

Tantilla (*GENUS*)

BAIRD and GIRARD, Cat. N. Amer. Rept., Pt. 1, 1853, p. 131

TYPE: *coronata***Tantilla coronata** BAIRD and GIRARD*Tantilla coronata* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 131.

Tantilla coronata COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1114, fig. 320.

TYPE LOCALITY: Kemper County, Mississippi.

RANGE: Southeastern United States, from Virginia southward.

Tantilla eiseni STEJNEGER*Tantilla eiseni* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 18, April 16, 1896, p. 117.

TYPE LOCALITY: Fresno, California.

RANGE: Southern California.

Tantilla gracilis BAIRD and GIRARD*Tantilla gracilis* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 132.

Tantilla gracilis COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1111, fig. 318.

TYPE LOCALITY: Indianola, Texas.

RANGE: Missouri to Texas.

Tantilla nigriceps KENNICOTT*Tantilla nigriceps* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 328.

Tantilla nigriceps COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1113, fig. 319.

TYPE LOCALITY: Fort Bliss, New Mexico, and Indianola to Nueces, Texas.

RANGE: Eastern and central Arizona, New Mexico, and Texas.

Tantilla planiceps (BLAINVILLE)*Coluber planiceps* BLAINVILLE

Nouv. Ann. Mus. Hist. Nat. Paris, Vol. 4, 1835, p. 294, pl. 27, figs. 3-3b.

Tantilla planiceps COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1113.

TYPE LOCALITY: California.

RANGE: Cape Region of Lower California.

Tantilla wilcoxi STEJNEGER*Tantilla wilcoxi* STEJNEGER

Proc. U. S. Nat. Mus., Vol. 25, Sept. 8, 1902, p. 156.

TYPE LOCALITY: Fort Huachuca, Arizona.

RANGE: Southern Arizona.

ELAPIDAE (FAMILY)

Micrurus (GENUS)

WAGLER in SPIX, Serp. Brasil., 1824, p. 48

TYPE: *spixii*

CORAL-SNAKES

Micrurus euryxanthus (KENNICOTT)*Elaps euryxanthus* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1860, p. 337.

Micrurus euryxanthus STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 106.

Elaps euryxanthus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1125, fig. 324.

TYPE LOCALITY: Sonora.

RANGE: Southern New Mexico, Arizona, and northern Mexico, Tiburon Island.

Micrurus fulvius (LINNÉ)*Coluber fulvius* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 381.

Micrurus fulvius STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 106.

Elaps fulvius COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1120, figs. 321, 322.

TYPE LOCALITY: Carolina.

RANGE: North Carolina and Mississippi to Florida, the Gulf States, Mexico, and Central America.

DISTEIRIDAE (FAMILY)

Pelamydrus (GENUS)

STEJNEGER, Proc. U. S. Nat. Mus., Vol. 38, 1910, p. 111

TYPE: *platurus**Pelamydrus platurus* (LINNÉ)*Anguis platura* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 391.

Pelamydrus platurus STEJNEGER

Proc. U. S. Nat. Mus., Vol. 38, 1910, p. 111.

TYPE LOCALITY: Unknown.

RANGE: Tropical Pacific and Indian Oceans; Gulf of California near Espiritu Santo Island.

CROTALIDAE (FAMILY)

Agkistrodon (GENUS)

BEAUVOIS, Trans. Amer. Philos. Soc., Vol. 4, 1799, p. 381

TYPE: *mokasen**Agkistrodon mokasen* BEAUVOIS

COPPERHEAD

*Agkishodon*¹ *mokasen* BEAUVOIS

Trans. Amer. Philos. Soc., Vol. 4, 1799, p. 370.

¹ Typographical error.

Ancistrodon contortrix COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1135, fig. 326.

TYPE LOCALITY: America.

RANGE: Massachusetts southward to northern Florida, westward to Illinois, Arkansas, and Texas.

Agkistrodon piscivorus (LACÉPÈDE)

COTTON-MOUTH MOCCASIN

Crotalus piscivorus LACÉPÈDE

Hist. Nat. Serp., Vol. 2, 1789, table méthod., p. 130.

Ancistrodon piscivorus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1133, fig. 325.

TYPE LOCALITY: Carolina.

RANGE: West Virginia to Florida and the Gulf States.

Sistrurus (GENUS)

GARMAN, Mem. Mus. Comp. Zoöl., Vol. 8, Pt. 3, 1883, p. 110

TYPE: *miliarius*

Sistrurus catenatus catenatus (RAFINESQUE)

MASSASAUGA

Crotalinus catenatus RAFINESQUE

Amer. Month. Mag. Crit. Rev., Vol. 4, No. 1, Nov. 1818, p. 41.

Sistrurus catenatus GARMAN

Mem. Mus. Comp. Zoöl., Vol. 8, Pt. 3, 1883, p. 176.

Sistrurus catenatus catenatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1146, fig. 329.

TYPE LOCALITY: Prairies of the upper Missouri.

RANGE: Western New York, through Ohio to Nebraska, northward into Michigan and Ontario, southward to Kansas.

Sistrurus catenatus edwardsii (BAIRD and GIRARD)*Crotalophorus edwardsii* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 15.

Sistrurus catenatus edwardsii STEJNEGER

Ann. Rep. U. S. Nat. Mus., 1893 (1895), p. 416.

Sistrurus catenatus edwardsii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1144, fig. 328.

TYPE LOCALITY: Tamaulipas, Mexico.

RANGE: Oklahoma southward through western Texas to northeastern Mexico.

Sistrurus miliarius (LINNÉ)**GROUND RATTLER***Crotalus miliarius* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 372.

Sistrurus miliarius GARMAN

Mem. Mus. Comp. Zool., Vol. 8, Pt. 3, 1883, p. 177.

Sistrurus miliarius COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1141, fig. 327.

TYPE LOCALITY: Carolina.**RANGE:** North Carolina to Florida westward to Oklahoma and Texas, northward in the Mississippi basin to Arkansas.**Crotalus (GENUS)**

LINNÉ, Syst. Nat., Ed. 10, Vol. 1, 1758, p. 214

TYPE: *horridus***RATTLESNAKES****Crotalus adamanteus BEAUVOIS****DIAMOND-BACK RATTLER***Crotalus adamanteus* BEAUVOIS

Trans. Amer. Philos. Soc., Vol. 4, 1799, p. 368.

Crotalus adamanteus adamanteus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1161, fig. 333.

TYPE LOCALITY: United States.**RANGE:** Southern North Carolina to Florida, westward to Louisiana and Arkansas.**Crotalus atrox atrox (BAIRD and GIRARD)***Crotalus atrox* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 5.

Crotalus atrox atrox BROWN

Proc. Ac. Nat. Sci. Phila., 1901, p. 103.

Crotalus adamanteus scutulatus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1158, fig. 332.

Crotalus adamanteus atrox COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1164, fig. 334.

TYPE LOCALITY: San Pedro, Texas.**RANGE:** Texas and northern Mexico to Arizona, also Lower California.**Crotalus atrox elegans SCHMIDT***Crotalus atrox elegans* SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 699

TYPE LOCALITY: Angel de la Guardia [sic] Island, Lower California.

RANGE: Angel de la Guarda Island.

Crotalus atrox lucasensis (VAN DENBURGH)

Crotalus lucasensis VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 4, Vol. 10, Aug. 6, 1920, p. 29, pl. 3.

Crotalus atrox lucasensis SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 698.

TYPE LOCALITY: Agua Caliente, Lower California.

RANGE: Southern Lower California.

Crotalus cerastes HALLOWELL

SIDEWINDER

Crotalus cerastes HALLOWELL

Proc. Ac. Nat. Sci. Phila., Vol. 7, 1854, p. 95.

Crotalus cerastes COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1196, fig. 347.

TYPE LOCALITY: Mojave Desert.

RANGE: Northeastern Lower California, southern California, southern Nevada, Arizona, southwestern Utah.

Crotalus confluentus SAY

PRAIRIE RATTLER

Crotalus confluentus SAY

Long's Exp. Rocky Mts., Vol. 2, 1823, p. 48.

Crotalus confluentus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1169, figs. 336-338.

TYPE LOCALITY: "Valley of the Arkansa" near Bell's Springs, Colorado.

RANGE: The Great Plains, from about the 96th Meridian to the Rocky Mountains and from southern Canada to Texas.

Crotalus enyo (COPE)

Caudisoma enyo COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 293.

Crotalus enyo COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 33.

Crotalus enyo COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1189, fig. 343.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Extreme southern Lower California.

Crotalus exsul GARMAN*Crotalus exsul* GARMAN

Mem. Mus. Comp. Zool., Vol. 8, Pt. 3, 1883, p. 114.

Crotalus ruber COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1167, fig. 335.

TYPE LOCALITY: Cerros Island, Lower California.

RANGE: Southern and Lower California; Cerros Island and islands in Gulf of California.

Crotalus goldmani SCHMIDT*Crotalus goldmani* SCHMIDT

Bull. Amer. Mus. Nat. Hist., Vol. 46, Dec. 7, 1922, p. 701.

TYPE LOCALITY: El Piñon, Lower California.

RANGE: Same.

Crotalus horridus LINNÉ

BANDED RATTLESNAKE, BLACK RATTLESNAKE, TIMBER RATTLESNAKE, CANEBRAKE RATTLESNAKE (FOR VARIOUS VARIANTS IN COLORATION).

Crotalus horridus LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 214.

Crotalus horridus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1185, fig. 342.

TYPE LOCALITY: America.

RANGE: Maine to Georgia, westward to the Great Plains.

Crotalus lepidus (KENNICOTT)*Caudisona lepida* KENNICOTT

Proc. Ac. Nat. Sci. Phila., 1861, p. 206.

Crotalus lepidus COPE

Proc. Ac. Nat. Sci. Phila., 1883, p. 13.

Crotalus lepidus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1191, fig. 344.

TYPE LOCALITY: Presidio and Eagle Pass, Texas.

RANGE: Border region in Texas, New Mexico, Arizona, and adjacent Mexico.

Crotalus mitchellii (COPE)*Caudisona mitchellii* COPE

Proc. Ac. Nat. Sci. Phila., 1861, p. 293.

Crotalus mitchellii COPE

Wheeler's Surv. W. 100 Mer., Vol. 5, 1875, p. 535.

Crotalus mitchellii COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1193, figs. 345, 346.

TYPE LOCALITY: Cape St. Lucas, Lower California.

RANGE: Arizona, Colorado Desert to southern Lower California.

Crotalus molossus BAIRD and GIRARD*Crotalus molossus* BAIRD and GIRARD

Cat. N. Amer. Rept., Pt. 1, 1853, p. 10.

Crotalus molossus COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1154, fig. 330.

TYPE LOCALITY: Fort Webster, New Mexico.

RANGE: Southern Texas to southern Arizona, also northern Mexico and San Esteban Island.

Crotalus oreganus HOLBROOK*Crotalus oreganus* HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 4, 1840, p. 115, pl. 29 [= 24].

Crotalus confluentus lucifer COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1176, fig. 339.

TYPE LOCALITY: Columbia River.

RANGE: British Columbia to southern California, western Idaho, Nevada, and northwestern Lower California.

Crotalus pricei VAN DENBURGH*Crotalus pricei* VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 856.

Crotalus pricei COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1184.

TYPE LOCALITY: Huachuca Mts., Arizona.

RANGE: Southern Arizona and the adjacent region in Mexico.

Crotalus tigris KENNICOTT*Crotalus tigris* KENNICOTT

in Baird, U. S. Mex. Bound. Surv., Vol. 2, 1859, Rept., p. 14, pl. 4.

Crotalus tigris COPE

Ann. Rep. U. S. Nat. Mus., 1898 (1900), p. 1181, fig. 341.

TYPE LOCALITY: Deserts of the Gila and Colorado Rivers, Arizona.

RANGE: Southern California, southern Nevada, and southern Arizona.

Crotalus tortugensis VAN DENBURGH and SLEVIN*Crotalus tortugensis* VAN DENBURGH and SLEVIN

Proc. Calif. Ac. Sci., Ser. 4, Vol. 11, Dec. 17, 1921, p. 398.

TYPE LOCALITY: Tortuga Island, Lower California.

RANGE: Same.

Crotalus willardi MEEK*Crotalus willardi* MEEK

Field Columb. Mus. Publ. Zoöl., Vol. 7, No. 1, Jan. 1906, p. 18, pl. 3.

TYPE LOCALITY: Ramsay Canyon, 7000 feet elevation, Huachuca Mountains, Arizona.

RANGE: Santa Rita Mountain region, Arizona, and northern Mexico.

SYNAPSIDA (SUBCLASS)

OSBORN, Science, N. S., Vol. 17, Feb. 13, 1903, p. 276

TESTUDINATA (ORDER)

OPPEL, Ordn. Rept., 1811, p. 3

KINOSTERNIDAE (FAMILY)**Sternotherus (GENUS)**

GRAY, Ann. Philos., N. S., Vol. 10, Sept. 1825, p. 211

TYPE: *odoratus***STINK-POTS, MUSK-TURTLES****Sternotherus carinatus (GRAY)***Aromochelys carinata* GRAY

Proc. Zool. Soc. London, 1855 (Jan. 22, 1856), p. 199.

Sternotherus carinatus STEJNEGER

Proc. U. S. Nat. Mus., Vol. 62, art. 6, 1923, p. 2.

Kinosternon carinatum STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 111.

TYPE LOCALITY: Louisiana.

RANGE: Mississippi River drainage, from Vicksburg, Mississippi, south.

Sternotherus minor (AGASSIZ)*Goniochelys minor* AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 424.

Sternotherus minor STEJNEGER

Proc. U. S. Nat. Mus., Vol. 62, art. 6, 1923, p. 2.

TYPE LOCALITY: Mobile, Alabama; Columbus, Georgia; New Orleans, Louisiana.

RANGE: Northern Florida to Georgia and Alabama; upper Tennessee.

Sternotherus odoratus (LATREILLE)*Testudo odorata* LATREILLE

Hist. Nat. Rept., vol. 1, 1802, p. 122.

Sternotherus odoratus BELL

Zool. Journ., Vol. 2, 1825, p. 307.

Kinosternon odoratum STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 112.

TYPE LOCALITY: Carolina.

RANGE: Eastern and southern United States from Canada south;
west to western Missouri and southern Texas.**Kinosternon** (*GENUS*)

SPIX, Testud. Brasil., 1824, p. 17

TYPE: *longicaudatum* = *scorpioides*

STINK-POTS, MUSK-TURTLES, MUD-TURTLES

Kinosternon baurii GARMAN*Cinosternum baurii* GARMAN

Bull. Essex Inst., Vol. 23, 1891, p. 141.

TYPE LOCALITY: Key West, Florida.

RANGE: Florida.

Kinosternon flavescens (AGASSIZ)*Platythyra flavescens* AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 430; Vol. 2, pl. 5, figs. 12-15.

Cinosternum flavescens COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 52.

TYPE LOCALITY: Texas, Arizona.

RANGE: Texas, north to Kansas and Colorado, west to Arizona.

Kinosternon sonoriense LE CONTE*Kinosternum sonoriense* LE CONTE

Proc. Ac. Nat. Sci. Phila., 1854, p. 184.

TYPE LOCALITY: Tucson, Arizona.

RANGE: Southwestern Texas through southern New Mexico and
Arizona into southeastern California; northern Mexico.**Kinosternon steindachneri** SIEBENROCK*Cinosternum steindachneri* SIEBENROCK

Zool. Anz., Vol. 30, Oct. 16, 1906, p. 727.

TYPE LOCALITY: Orlando, Florida.

RANGE: Central Florida.

Kinosternon subrubrum subrubrum¹ (LACÉPÈDE)*Testudo subrubra* LACÉPÈDEHist. Nat. Quadr. Ovip. Serp., Vol. 1, 1788, synops. méth., tabl.
between pp. 618 and 619 (comp. p. 132).*Kinosternon subrubrum subrubrum* STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 112.

TYPE LOCALITY: Pennsylvania.

RANGE: Eastern United States, exclusive of peninsular Florida,
west to Indiana and southeastern Illinois and Tennessee.**Kinosternon subrubrum hippocrepis** (GRAY)*Kinosternon hippocrepis* GRAY

Proc. Zool. Soc. London, 1855 (Jan. 22, 1856), p. 198.

Kinosternon subrubrum hippocrepis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 112.

TYPE LOCALITY: New Orleans, Louisiana.

RANGE: Southern Alabama to Texas, north in the Mississippi
Valley to southeastern Missouri.

CHELYDRIDAE (FAMILY)

Macrochelys (GENUS)

GRAY, Proc. Zool. Soc. London, 1855 (Jan. 22, 1856), p. 200

TYPE: *temminckii***Macrochelys temminckii** (HOLBROOK)

ALLIGATOR-SNAPPER

Chelonura temminckii HOLBROOK

N. Amer. Herp., Ed. 1, 1840, Vol. 4, p. 29, pl. 4.

Macrochelys temminckii GRAY

Proc. Zool. Soc. London, 1855 (Jan. 22, 1856), p. 200.

TYPE LOCALITY: Mississippi River and tributaries.

RANGE: Texas east to southeastern Georgia and northern Florida,
north in the Mississippi basin to northern Missouri.**Chelydra** (GENUS)

SCHWEIGGER, Königsberg. Arch. Naturw. Math., Vol. 1, 1812, Pt. 3, p. 292

TYPE: *serpentina***Chelydra osceola** STEJNEGER

FLORIDA SNAPPER

Chelydra osceola STEJNEGER

Proc. Biol. Soc. Washington, Vol. 31, June 24, 1918, p. 89.

¹ This is the species usually known as *Kinosternon pensilvanicum* (Gmelin) 1789. Both names are based on the same figure in Edwards's "Glanures."

TYPE LOCALITY: Clearwater, Pinellas Co., Florida.

RANGE: Central and southern Florida.

***Chelydra serpentina* (LINNÉ)**

COMMON SNAPPER

Testudo serpentina LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 199.

Chelydra serpentina SCHWEIGER

Königsberg. Arch. Naturw. Math., Vol. 1, 1812, Pt. 3, p. 293.

TYPE LOCALITY: "Warmer regions."

RANGE: Eastern North America from southern Canada to the Gulf of Mexico and west to the Rocky Mountains.

TESTUDINIDAE (FAMILY)

***Clemmys* (GENUS)**

RITGEN, Nova Acta Ac. Leopold.-Carol., Vol. 14, Pt. 1, 1828, p. 272

TYPE: *punctata* = *guttata*

***Clemmys guttata* (SCHNEIDER)**

SPOTTED TURTLE

Testudo guttata SCHNEIDER

Schr. Ges. Naturf. Freunde Berlin, Vol. 10, 1792, p. 264.

Clemmys guttata STRAUCH

Mém. Ac. Sci. St. Pétersbourg, Ser. 7, Vol. 5, No. 7, 1862, p. 107.

TYPE LOCALITY: Unknown.

RANGE: Eastern United States from Maine to northern Florida; in northern part west and north to southern Michigan.

***Clemmys insculpta* (LE CONTE)**

WOOD-TURTLE

Testudo insculpta LE CONTE

Ann. Lyc. Nat. Hist. New York, Vol. 3, 1830, p. 112.

Clemmys insculpta STRAUCH

Mém. Ac. Sci. St. Pétersbourg, Ser. 7, Vol. 5, No. 7, 1862, p. 104.

TYPE LOCALITY: Northern [United] States.

RANGE: Eastern United States from Maine to Virginia, west to Michigan and Wisconsin; southwestern Ontario.

***Clemmys marmorata* (BAIRD and GIRARD)**

Emys marmorata BAIRD and GIRARD

Proc. Ac. Nat. Sci. Phila., Vol. 6, 1852, p. 177.

Clemmys marmorata STRAUCH

Mém. Ac. Sci. St. Pétersbourg, Ser. 7, Vol. 5, No. 7, 1862, p. 108.

TYPE LOCALITY: Puget Sound, Washington.

RANGE: Pacific slope from Puget Sound to San Diego, California.

Clemmys muhlenbergii (SCHOEPFF)

Testudo muhlenbergii SCHOEPFF

Hist. Testud., Pt. 6, 1801, p. 132, pl. 31.

Clemmys muhlenbergii STRAUCH

Mém. Ac. Sci. St. Pétersbourg, Ser. 7, Vol. 8, No. 13, 1865, p. 67.

TYPE LOCALITY: Lancaster, Pennsylvania.

RANGE: New Jersey, southeastern corner of Pennsylvania, New York, Rhode Island, and mountains of North Carolina.

Emys (GENUS)

DUMÉRIL, Zool. Anal., 1806, p. 76

TYPE: *europaea*

Emys blandingii (HOLBROOK)

BLANDING'S TURTLE

Cistudo blandingii HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 3, 1838, p. 35, pl. 5.

Emys blandingii STRAUCH

Mém. Ac. Sci. St. Pétersbourg, Ser. 7, Vol. 5, No. 7, 1862, p. 28.

TYPE LOCALITY: Fox River, Illinois.

RANGE: Northern Illinois and Indiana, west and north into Iowa, Minnesota, Michigan, and east into New England; Long Island.

Terrapene (GENUS)

MERREM, Tent. Syst. Amph., 1820, p. 27

TYPE: *clausa* = *carolina*

BOX-TURTLES

Terrapene carolina carolina (LINNÉ)

Testudo carolina LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 198.

Terrapene carolina BELL

Zool. Journ., Vol. 2, 1825, p. 309.

TYPE LOCALITY: Carolina.

RANGE: Eastern United States from Maine to Georgia, west to Tennessee, western Illinois, and northwards to central Michigan.

Terrapene carolina triunguis (AGASSIZ)

Cistudo triunguis AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 445.

Terrapene carolina triunguis STRECKER

Proc. Biol. Soc. Washington, Vol. 23, 1910, p. 121.

TYPE LOCALITY: New Orleans, Louisiana.

RANGE: Coastal plain of the Gulf of Mexico, north in the Mississippi basin to Missouri, west into Oklahoma and southern Texas.

Terrapene major (AGASSIZ)*Cistudo major* AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 445.

Terrapene major BAUR

Science, Ser. 1, Vol. 17, April 3, 1891, p. 190.

TYPE LOCALITY: Mobile, Alabama; Florida.

RANGE: Florida, north into southern Georgia, west into southeastern Texas.

Terrapene ornata (AGASSIZ)*Cistudo ornata* AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 445.

Terrapene ornata BAUR

Science, Ser. 1, Vol. 17, April 3, 1891, p. 191.

TYPE LOCALITY: The Upper Missouri and Iowa.

RANGE: Indiana, Illinois, and territory between the Missouri and Mississippi Rivers and the Rocky Mountains from the Yellowstone River in the north to the Gulf of Mexico in the south, southern New Mexico and Arizona and northern Mexico.

Malaclemys (GENUS)

GRAY, Cat. Tort. Brit. Mus., 1844, p. 28

TYPE: *concentrica*

DIAMOND-BACK TERRAPINS

Malaclemys centrata centrata (LATREILLE)*Testudo centrata* LATREILLE

Hist. Nat. Rept., Vol. 1, 1802, p. 145.

Malaclemys centrata LOENBERG

Proc. U. S. Nat. Mus., Vol. 17, Nov. 15, 1894, p. 319.

TYPE LOCALITY: Carolina.

RANGE: Coast strip from neighborhood of Cape Hatteras, south to Florida.

Malaclemys centrata concentrica (SHAW)*Testudo concentrica* SHAW

Gen. Zool., Vol. 3, 1802, p. 43, pl. 9.



Malaclemmys centrata concentrica W. P. HAY

Bull. U. S. Bur. Fish., Vol. 24, 1904, p. 16.

TYPE LOCALITY: Philadelphia markets.

RANGE: Coast strip from Buzzards Bay to North Carolina, Delaware and Chesapeake Bays.

Malaclemmys pileata pileata (WIED)*Emys pileata* WIED

Nova Acta Ac. Leopold.-Carol., Vol. 32, 1865, p. 17, pl. 1, figs. 2, 3.

Malaclemmys pileata W. P. HAY

Bull. U. S. Bur. Fish., Vol. 24, 1904, p. 17.

TYPE LOCALITY: New Orleans, Louisiana.

RANGE: Coast from mouth of Mississippi River eastwards to Florida.

Malaclemmys pileata littoralis (W. P. HAY)*Malaclemmys littoralis* W. P. HAY

Bull. U. S. Bur. Fish., Vol. 24, 1904, p. 18, pls. 8, 9, 12, figs. 2, 3.

Malaclemmys pileata littoralis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 117.

TYPE LOCALITY: Rockport, Texas.

RANGE: Coast of Texas and outlying islands.

Malaclemmys pileata macrospilota (W. P. HAY)*Malaclemmys macrospilota* W. P. HAY

Bull. U. S. Bur. Fish., Vol. 24, 1904, p. 16, pls. 6, 7, 11, fig. 1.

Malaclemmys pileata macrospilota STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 117.

TYPE LOCALITY: Charlotte Harbor, Florida.

RANGE: Western coast of Florida.

Graptemys (GENUS)

AGASSIZ, Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 436

TYPE: *geographica*

MAP-TURTLES

Graptemys geographica (LE SUEUR)*Testudo geographica* LE SUEUR

Journ. Ac. Nat. Sci. Phila., Vol. 1, Pt. 1, 1817, p. 86, pl. 5.

Graptemys geographica AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 436.

TYPE LOCALITY: Marsh on the border of Lake Erie.

RANGE: Mississippi Valley north to Iowa, northern Illinois, southern Michigan, east to Pennsylvania and New York, south shore of Lake Ontario and Lake George and Lake Champlain; eastern Tennessee and southwestern Virginia, west to southwestern Missouri, eastern Oklahoma, and northeastern Texas.

***Graptemys pseudogeographica pseudogeographica* (GRAY)**

Emys pseudogeographica GRAY

Syn. Rept., 1831, p. 31 ("Le Sucur" in synonymy).

Graptemys pseudogeographica GRAY

Ann. Mag. Nat. Hist., Ser. 3, Vol. 12, Sept. 1863, p. 180.

TYPE LOCALITY: Wabash River, New Harmony, Indiana.

RANGE: Mississippi Valley, east to Alabama and Ohio, north to Wisconsin and northern Iowa, west to eastern Kansas and Oklahoma.

***Graptemys pseudogeographica kohnii* (BAUR)**

Malacoclemmys kohnii BAUR

Science, Ser. 1, Vol. 16, Nov. 7, 1890, p. 263.

Graptemys pseudogeographica kohnii STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 117.

TYPE LOCALITY: Bayou Lafourche, B. Teche, and St. Martinsville, Louisiana.

RANGE: Gulf strip from Pensacola to eastern Texas.

***Graptemys pseudogeographica oculifera* (BAUR)**

Malacoclemmys oculifera BAUR

Science, Ser. 1, Vol. 16, Nov. 7, 1890, p. 262.

Graptemys pseudogeographica oculifera STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 118.

TYPE LOCALITY: Mandeville, Louisiana.

RANGE: Southern Louisiana.

***Chrysemys* (GENUS)**

GRAY, Cat. Tort. Brit. Mus., 1844, p. 27

TYPE: *picta*

PAINTED TURTLES, SOLDIER TURTLES

***Chrysemys marginata marginata* (AGASSIZ)**

Chrysemys marginata AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 439; Vol. 2, pl. 1, fig. 6, pl. 5, figs. 1-4.

TYPE LOCALITY: Wisconsin, Michigan, Indiana, Iowa.

RANGE: Central lowland, west to the Mississippi and the Missouri, north into Wisconsin, Michigan, and northern New York.

***Chrysemys marginata bellii* (GRAY)**

Emys bellii GRAY

Syn. Rept., 1831, p. 31.

Chrysemys marginata bellii STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 118.

TYPE LOCALITY: Unknown.

RANGE: Great plains west of the Mississippi, southwest into New Mexico and northern Mexico; northwest into Montana, the Columbia basin, British Columbia and Vancouver Island; northeast into northeastern Minnesota and upper Michigan.

***Chrysemys marginata dorsalis* (AGASSIZ)**

Chrysemys dorsalis AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 440.

Chrysemys marginata dorsalis STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 118.

TYPE LOCALITY: Mississippi and Louisiana.

RANGE: Mississippi Valley north to southern Missouri.

***Chrysemys marginata treleasei* (HURTER)**

Chrysemys treleasei HURTER

Trans. Ac. Sci. St. Louis, Vol. 20, July 28, 1911, p. 255, pl. 23, fig. 3, pl. 24.

Chrysemys marginata treleasei STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 118.

TYPE LOCALITY: St. Clair and Madison Counties, Illinois.

RANGE: St. Clair and Madison Counties, Illinois.

***Chrysemys picta* (SCHNEIDER)**

Testudo picta SCHNEIDER

Nat. Sch. Schildkr., 1783, p. 348.

Chrysemys picta (part) GRAY

Cat. Shield Rept. Brit. Mus., Pt. 1, March 8, 1856, p. 32.

TYPE LOCALITY: Unknown, said to have been England.

RANGE: Eastern North America from New Brunswick to Georgia.

Pseudemys (*GENUS*)

GRAY, Proc. Zool. Soc. London, 1855 (Jan. 22, 1856), p. 197

TYPE: *concinna*

SLIDERS OR COOTERS

Pseudemys alabamensis BAUR*Pseudemys alabamensis* BAUR

Proc. Amer. Philos. Soc., Vol. 31, July, 1893, p. 224.

TYPE LOCALITY: Mobile Bay, Alabama.

RANGE: Gulf coast from Florida to Louisiana.

Pseudemys concinna (LE CONTE)*Testudo concinna* LE CONTE

Ann. Lyc. Nat. Hist. New York, Vol. 3, 1830, p. 106.

Pseudemys concinna GRAY

Cat. Shield Rept. Brit. Mus., Pt. 1, March 8, 1856, p. 34.

TYPE LOCALITY: Rivers of Georgia and Carolina above Augusta and Columbia.

RANGE: Eastern rivers from Georgia to southern Maryland.

Pseudemys elegans (WIED)*Emys elegans* WIED

Reise Nord-Amer., Vol. 1, Pt. 4, 1838, p. 213.

Pseudemys elegans COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 53.

TYPE LOCALITY: New Harmony, Indiana.

RANGE: Southern Texas and Mississippi basin north to Iowa, northern Indiana and Ohio.

Pseudemys floridana (LE CONTE)*Testudo floridana* LE CONTE

Ann. Lyc. Nat. Hist. New York, Vol. 3, 1830, p. 100.

Pseudemys floridana BAUR

Proc. Amer. Philos. Soc., Vol. 31, 1893, p. 223.

TYPE LOCALITY: St. John's River, Florida.

RANGE: Florida into southern Georgia.

Pseudemys hieroglyphica (HOLBROOK)*Emys hieroglyphica* HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 47, pl. 2.

Pseudemys hieroglyphica H. GARMAN

Bull. Ill. Lab. Nat. Hist., Vol. 3, 1892, p. 231.

TYPE LOCALITY: Cumberland River, Tennessee.

RANGE: Rivers of southern Appalachians.

***Pseudemys ornata nebulosa* (VAN DENBURGH)**

Chrysemys nebulosa VAN DENBURGH

Proc. Calif. Ac. Sci., Ser. 2, Vol. 5, 1895, p. 84, pls. 4-6.

Pseudemys ornata nebulosa STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 120.

TYPE LOCALITY: Los Dolores, abreast of San José Island,
Lower California.

RANGE: Southern Lower California.

***Pseudemys rubriventris* (LE CONTE)**

Testudo rubriventris LE CONTE

Ann. Lyc. Nat. Hist. New York, Vol. 3, 1830, p. 101.

Pseudemys rubriventris LOENNEBERG

Proc. U. S. Nat. Mus., Vol. 17, Nov. 15, 1894, p. 318.

TYPE LOCALITY: Delaware River, near Trenton, New Jersey.

RANGE: Atlantic coast from Florida to New Jersey; Plymouth,
Massachusetts.

***Pseudemys scripta* (SCHOEPPF)**

Testudo scripta SCHOEPPF

Hist. Testud., Pts. 1-2, 1792, p. 16, pl. 3, figs. 4, 5.

Pseudemys scripta JORDAN

Man. Vertebr. Anim. North. U. S., Ed. 8, 1899, p. 209.

TYPE LOCALITY: Unknown.

RANGE: Georgia to North Carolina.

***Pseudemys texana* BAUR**

Pseudemys texana BAUR

Proc. Amer. Philos. Soc., Vol. 31, July, 1893, p. 223.

TYPE LOCALITY: San Antonio, Texas.

RANGE: Southwestern Missouri, western Arkansas and Texas to
northeastern Mexico.

***Pseudemys troostii* (HOLBROOK)**

Emys troostii HOLBROOK

N. Amer. Herp., Ed. 1, Vol. 1, 1836, p. 55, pl. 4.

Pseudemys troostii COPE

Bull. U. S. Nat. Mus., No. 1, 1875, p. 53.

TYPE LOCALITY: Cumberland River, Tennessee.

RANGE: Mississippi Valley, north to northern Missouri and south-
ern Indiana.

Deirochelys (*GENUS*)

AGASSIZ, Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 441

TYPE: *reticulata* = *reticularia***Deirochelys reticularia** (LATREILLE)

CHICKEN-TURTLE

Testudo reticularia LATREILLE

Hist. Nat. Rept., Vol. 1, 1802, p. 124.

Deirochelys reticularia (part) GRAY

Suppl. Cat. Shield Rept. Brit. Mus., Pt. 1, 1870, p. 39.

TYPE LOCALITY: Carolina.

RANGE: Coastal plain from Beaufort, North Carolina, to and including the Mississippi alluvial plain; south to central Florida.

Gopherus (*GENUS*)

RAFINESQUE, Atlantic Journ., Vol. 1, No. 2, 1832, p. 64

TYPE: *polyphemus*

GOPHER-TURTLES

Gopherus agassizii (COOPER)*Xerobates agassizii* COOPER

Proc. Calif. Ac. Sci., Vol. 2, 1863, p. 120.

Gopherus agassizii STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 161.

TYPE LOCALITY: Mountains near Fort Mojave, California.

RANGE: Deserts of southwestern Arizona, and southeastern California into Nevada.

Gopherus berlandieri (AGASSIZ)*Xerobates berlandieri* AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 447; Vol. 2, pl. 3, figs. 17-19.

Gopherus berlandieri STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 161.

TYPE LOCALITY: Lower Rio Grande, Texas.

RANGE: Southwestern corner of Texas into northeastern Mexico.

Gopherus polyphemus (DAUDIN)*Testudo polyphemus* DAUDIN

Hist. Nat. Rept., Vol. 2, 1803, p. 258.

Gopherus polyphemus STEJNEGER

N. Amer. Fauna, No. 7, May 31, 1893, p. 161.

TYPE LOCALITY: Savanna and Altamaha Rivers, Georgia.

RANGE: Coast from southern South Carolina to Florida and the Mississippi River north into southern Arkansas.

CHELONIIDAE (FAMILY)

Chelonia (GENUS)

LATREILLE, Hist. Nat. Rept., Vol. 1, 1802, p. 22

TYPE: *mydas*

GREEN-TURTLES

Chelonia agassizii BOCOURT*Chelonia agassizii* BOCOURT

Ann. Sci. Nat., Ser. 5, Zool., Vol. 10, Pts. 1-3, 1868, p. 122.

TYPE LOCALITY: Guatemala, mouth of Nagualate in the Pacific.

RANGE: Pacific Ocean, north to coasts of Lower California and southern California.

Chelonia mydas (LINNÉ)*Testudo mydas* LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 197.

Chelonia mydas SCHWEIGGER

Königsberg. Arch. Naturw. Math., Vol. 1, 1812, Pt. 3, p. 412.

TYPE LOCALITY: Ascension Island, etc.

RANGE: Atlantic Ocean; Gulf of Mexico, occasionally as far north as Massachusetts.

Eretmochelys (GENUS)

FITZINGER, Syst. Rept., 1843, p. 30

TYPE: *imbricata*

SHELL-TURTLES, HAWKS-BILLS

Eretmochelys imbricata (LINNÉ)*Testudo imbricata* LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 350.

Eretmochelys imbricata AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 381.

TYPE LOCALITY: American seas.

RANGE: Florida and Gulf coasts; occasionally as far north as Massachusetts.

Eretmochelys squamosa (GIRARD)*Caretta squamosa* GIRARD

U. S. Expl. Exped., Herp., 1858, p. 442, pl. 30, figs. 1-7.

Eretmochelys squamosa STEJNEGER

Bull. U. S. Nat. Mus., No. 58, 1907, p. 511.

TYPE LOCALITY: Sulu Seas and Indian Ocean.

RANGE: Pacific Ocean; coast of Lower California.

Caretta (*GENUS*)

RAFINESQUE, Specchio Sci., Palermo, Vol. 2, No. 9,
Sept. 1, 1814, p. 66

TYPE: *nasuta* = *caretta*

LOGGERHEAD TURTLES

Caretta caretta (LINNÉ)

Testudo caretta LINNÉ

Syst. Nat., Ed. 10, Vol. 1, 1758, p. 197.

Caretta caretta STEJNEGER

Ann. Rep. U. S. Nat. Mus., 1902 (1904), p. 715.

TYPE LOCALITY: "About the American Islands."

RANGE: Atlantic Ocean, breeding as far north as Beaufort, North Carolina; north occasionally to coast of Massachusetts.

Caretta kempii (GARMAN)

BASTARD-TURTLE

Thalassochelys (Colpochelys) kempii GARMAN

Bull. Mus. Comp. Zoöl., Vol. 6, 1880, p. 123.

Caretta kempii SIEBENROCK

Zool. Jahrb. Suppl., Vol. 10, Pt. 3, 1909, p. 551.

TYPE LOCALITY: Gulf of Mexico.

RANGE: Northeastern part of Gulf of Mexico north to Cape Hatteras, and accidentally to the coast of Massachusetts.

Caretta olivacea (ESCHSCHOLTZ)

Chelonia olivacea ESCHSCHOLTZ

Zool. Atlas, Pt. 1, 1829, p. 2, pl. 3.

Caretta olivacea RUEPPELL

Neue Wirbelth. Abyssin., Amph., 1835, p. 7.

TYPE LOCALITY: Manila Bay, P. I.

RANGE: Tropical Pacific straggling to the California coast.

DERMOCHELIDAE (*FAMILY*)**Dermochelys** (*GENUS*)

BLAINVILLE, Bull. Soc. Philom. Paris, 1816, p. 111 bis [= 119]

TYPE: *coriacea*

Dermochelys coriacea (LINNÉ)

Testudo coriacea LINNÉ

Syst. Nat., Ed. 12, Vol. 1, 1766, p. 350.

Dermochelys coriacea BOULENGER

Cat. Chel. Brit. Mus., 1889, p. 10.

TYPE LOCALITY: Mediterranean Sea.

RANGE: Atlantic Ocean; occasionally on entire coast as far north as Maine.

Dermochelys schlegelii (GARMAN)

Sphargis coriacea var. *schlegelii* GARMAN

Bull. U. S. Nat. Mus., No. 25, 1884, p. 303.

Dermochelys schlegelii STEJNEGER

Bull. U. S. Nat. Mus., No. 58, 1907, p. 485.

TYPE LOCALITY: Tropical Pacific and Indian Ocean.

RANGE: Tropical Pacific Ocean; coasts of Lower California and southern California.

TRIONYCHIDAE (FAMILY)

Amyda (GENUS)

OKEN, Lehrb. Zool., Vol. 2, 1816, p. 348

TYPE: *euphratica*

SOFT-SHELLED TURTLES

Amyda emoryi (AGASSIZ)

Aspidonectes emoryi AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 407; Vol. 2, pl. 6, figs. 4, 5.

Amyda emoryi STEJNEGER and BARBOUR

Check List N. Amer. Amph. Rept., Ed. 1, 1917, p. 124.

TYPE LOCALITY: Rio Grande River, near Brownsville, Texas.

RANGE: Rivers of Texas, north into southern Oklahoma and Arkansas.

Amyda ferox (SCHNEIDER)

Testudo ferox SCHNEIDER

Naturg. Schildkr., 1783, p. 330.

Amyda ferox OKEN

Lehrb. Zool., Vol. 2, 1816, p. 348.

TYPE LOCALITY: Savanna River, Georgia.

RANGE: South Carolina to Florida and Louisiana.

Amyda mutica (LE SUEUR)

Trionyx muticus LE SUEUR

Mém. Mus. Hist. Nat. Paris, Vol. 15, Dec. 1827, p. 263, pl. 7.

Amyda mutica AGASSIZ

Contr. Nat. Hist. U. S., Vol. 1, 1857, p. 399.

TYPE LOCALITY: Wabash River at New Harmony, Indiana.

RANGE: Middle and northern tributaries of the Mississippi and St. Lawrence Rivers.

Amyda spinifera (LE SUEUR)

Trionyx spiniferus LE SUEUR

Mém. Mus. Hist. Nat. Paris, Vol. 15, Dec. 1827, p. 258, pl. 6.

Amyda spinifera HURTER

Trans. Ac. Sci. St. Louis, Vol. 20, 1911, p. 251.

TYPE LOCALITY: Wabash River at New Harmony, Indiana.

RANGE: Mississippi River and tributaries, west to Colorado, north to Montana; St. Lawrence River and tributaries; east to Vermont, western New York, and Pennsylvania.



INDEX

INDEX

- abacura, Farancia, 81.
- abacurus, Coluber, 81.
- Abastor, 81.
 - erythrogrammus, 81.
- Acris, 27.
 - gryllus, 27.
- acutus, Crocodilus, 39.
 - Crocodylus, 39.
- adamanteus, Crotalus, 122.
- Adder, puffing, 84.
 - spreading, 84.
- aeneus, Aneides, 17.
 - Plethodon, 18.
- aesopus, Rana, 33.
- aestivus, Coluber, 85.
 - Cyclophis, 86.
 - Opheodrys, 85.
- agalma, Lampropeltis, 97.
- Agama collaris, 43.
 - cornuta, 61.
 - coronata, 61.
 - douglassii, 61.
- agassizii, Chelonia, 138.
 - Gopherus, 137.
 - Xerobates, 137.
- Agkishodon mokasen, 120.
- Agkistrodon, 120.
 - mokasen, 120.
 - piscivorus, 121.
- alabamensis, Pseudemys, 135.
- albus, Scaphiopus, 23.
- alleganiensis, Cryptobranchus, 3.
 - Salamandra, 3.
- alleganiensis, Cryptobranchus, 3.
- alleganiensis, Cryptobranchus, 3.
- alleni, Helicops, 112.
 - Liodytes, 112.
- allenii, Liodytes, 112.
- Alligator, 39.
 - missisipensis, 39.
 - mississipiensis, 39.
 - mississippiensis, 40.
- alligator, Lacerta, 39.
- Alligator-snapper, 128.
- alterna, Lampropeltis, 97.
- alternus, Ophibolus, 97.
- alvarius, Bufo, 23.
- amabilis, Diadophis, 82.
- amaura, Lampropeltis, 101.
- Amblystoma annulatum, 4.
 - aterrimum, 7.
 - cingulatum, 4.
 - decorticaturn, 5.
 - jeffersonianum, 5.
 - macroductylum, 5.
 - microstomum, 6.
 - opacum, 6.
 - paroticum, 6.
 - punctatum, 5.
 - talpoideum, 6.
 - texanum, 7.
 - tigrinum, 7.
- Ambystoma, 4.
 - annulatum, 4.
 - aterrimum, 7.
 - cingulatum, 4.
 - decorticaturn, 5.
 - epixanthum, 5.
 - jeffersoniana, 5.
 - jeffersonianum, 5.
 - macroductyla, 5.
 - macroductylum, 5.
 - maculatum, 5.
 - microstomum, 6.
 - opaca, 6.
 - opacum, 6.
 - paroticum, 6.
 - talpoideum, 6.
 - tenebrosum, 8.
 - texanum, 7.
 - tigrina, 7.
 - tigrinum, 7.
- Ambystomidae, 4.
- Ameiva tessellata, 73.

- American toad, 24.
americanus, Bufo, 24.
 Crocodylus, 39.
Amoebopsis gilberti, 67.
amoena, Carphophis, 80.
amoenus, Carphophiops, 81.
 Coluber, 80.
Amphiardis, 111.
 inornatus, 111.
Amphibia, 1.
Amphiuma, 2.
 means, 2.
 tridactylum, 2.
Amphiumidae, 2.
Amyda, 140.
 emoryi, 140.
 ferox, 140.
 mutica, 140.
 spinifera, 141.
Anaides ferreus, 18.
Ancistrodon contortrix, 121.
 piscivorus, 121.
Anderson tree-frog, 29.
andersonii, Hyla, 29.
Aneides, 17.
 aeneus, 17.
 farallonensis, 18.
 ferreus, 18.
 ïceanus, 18.
 lugubris, 18.
Anguidae, 64.
Anguis platyura, 120.
 ventralis, 64.
angustirostris, Eutaenia, 112.
 Thamnophis, 112.
angustus, Sator, 54.
annectens, Pituophis, 94.
Anniella, 66.
 nigra, 66.
Anniellidae, 66.
annulata, Lampropeltis, 101.
 Osceola, 101.
annulatum, Amblystoma, 4.
 Ambystoma, 4.
annulatus, Linguaelapsus, 4.
Anolis, 42.
 carolinensis, 42.
Anolius carolinensis, 42.
Anota maccallii, 62.
 m'callii, 62.
 modesta, 63.
 platyrhina, 63.
anthonyi, Bascanion, 86.
 Coluber, 86.
 Diadophis, 83.
anthracinus, Eumeces, 74.
 Plestiodon, 74.
approximans, Holbrookia, 48.
arenicolor, Hyla, 29.
areolata, Engystoma, 37.
 Gastrophryne, 37.
 Rana, 33.
Arizona, 94.
 elegans, 94.
arizonae, *Diadophis*, 84.
arnyi, *Diadophis*, 83.
Aromochelys carinata, 126.
Ascaphus, 22.
 truei, 22.
Aspidonectes emoryi, 140.
ater, Sauromalus, 45.
aterrimum, Amblystoma, 7.
 Ambystoma, 7.
 Dicamptodon, 7.
aterrimus, Chondrotus, 7.
 Dicamptodon, 7.
atrata, Eutainia, 114.
atratus, *Thamnophis*, 114.
atrox, *Crotalus*, 122.
attenuata, Salamandrina, 8.
attenuatus, Batrachoseps, 8.
auriculata, *Desmognathus*, 19.
 Salamandra, 19.
 Uta, 50.
auriculatus, *Desmognathus*, 19.
aurigulus, *Coluber*, 86.
 Drymobius, 86.
 Zamenis, 86.
aurora, *Rana*, 34.
Autodax farallonensis, 18.
 ferreus, 18.
 ïceanus, 18.
 lugubris, 18.
bacatus, *Cnemidophorus*, 70.
baileyi, *Crotaphytus*, 44.
bairdi, *Coluber*, 90.

bairdi, Elaphe, 90.
 bairdii, Coluber, 90.
 Ball-snake, 80.
 Banded rattlesnake, 124.
 barbouri, Coluber, 86.
 Barissia, 66.
 levicollis, 66.
 bartolomas, Cnemidophorus, 70.
 Bascanion anthonyi, 86.
 Bascanium piceum, 87.
 semilineatum, 88.
 Bastard-turtle, 139.
 Batrachoseps, 8.
 attenuatus, 8.
 catalinae, 8.
 caudatus, 9.
 leucopus, 9.
 major, 9.
 pacificus, 9.
 baudinii, Hyla, 29.
 Smilisca, 29.
 baurii, Cinosternum, 127.
 Kinosternon, 127.
 becki, Sceloporus, 57.
 beldingi, Verticaria, 69.
 bellii, Chrysemys, 134.
 Emys, 134.
 Bellophis zonatus, 100.
 berlandieri, Gopherus, 137.
 Xerobates, 137.
 bilineatus, Spelerpes, 15.
 Bipedidae, 78.
 Bipes, 78.
 biporus, 78.
 biporus, Bipes, 78.
 Euchirotas, 78.
 biscutata, Eutaenia, 114.
 biscutatus, Thamnophis, 114.
 bi-seriatus, Sceloporus, 57.
 bislineata, Eurycea, 15.
 Salamandra, 15.
 Black rattlesnake, 124.
 Black-snake, 86.
 pilot, 91.
 blainvillei, Phrynosoma, 60.
 blainvillii, Phrynosoma, 60.
 blandingii, Cistudo, 130.
 Emys, 130.
 Blanding's turtle, 130.

Blind eel, 2.
 Blue racer, 87.
 Blue-tailed skink, 75.
 Boa contortrix, 84.
 Boidae, 79.
 Boomer, mountain, 43.
 boreas, Bufo, 24.
 bottae, Charina, 80.
 Tortrix, 80.
 Box-turtles, 130.
 boylii, Lampropeltis, 98.
 Ophibolus, 98.
 Rana, 34.
 Brevicipitidae, 37.
 brevicornis, Phrynosoma, 60.
 brevicornis, Phrynosoma, 60.
 brevilineatus, Eumeces, 75.
 brevirostre, Phrynosoma, 60.
 brevirostris, Tapaya, 60.
 brevis, Coleonyx, 41.
 brimleyorum, Desmognathus, 19.
 brooksi, Lampropeltis, 99.
 browni, Heterodon, 84.
 Phyllorhynchus, 89.
 Bufo, 23.
 alvarius, 23.
 americanus, 24.
 boreas, 24.
 californicus, 25.
 canorus, 24.
 cognatus, 24.
 columbiensis, 24.
 compactilis, 25.
 debilis, 25.
 fowleri, 25.
 halophila, 24.
 halophilus, 24.
 hemiphrys, 25.
 lentiginosus, 26.
 punctatus, 26.
 quercicus, 26.
 terrestris, 26.
 valliceps, 26.
 woodhousei, 27.
 woodhousii, 27.
 Bufonidae, 23.
 Bull-snake, 96.
 western, 94.
 Bullfrog, 35.

- burnettii, *Gerrhonotus*, 64.
 butleri, *Eutaenia*, 112.
 Thamnophis, 112.
 butlerii, *Eutaenia*, 112.
- caerulea, *Verticaria*, 68.
 Calamaria tenuis, 102.
 Calamita cinereus, 30.
 California newt, 3.
 californiae, *Coluber*, 97.
 Lampropeltis, 97.
 Ophibolus, 97.
 Ophis, 97.
 californicus, *Bufo*, 25.
 calligaster, *Coluber*, 97.
 Lampropeltis, 97.
 Ophibolus, 97.
- Callisaurus, 46.
 crinitus, 46.
 draconoides, 46.
 gabbii, 47.
 inusitatus, 47.
 myurus, 47.
 splendidus, 46.
 ventralis, 47.
- campi, *Holbrookia*, 48.
 Syrrhophus, 33.
- cana, *Ficimia*, 104.
 canadensis, *Hyla*, 28.
 Canebrake rattlesnake, 124.
 canorus, *Bufo*, 24.
 cantabrigensis, *Rana*, 35.
 canum, *Gyalopion*, 104.
 Gyalopium, 104.
- canus, *Cnemidophorus*, 70.
 Caretta, 139.
 caretta, 139.
 kempii, 139.
 olivacea, 139.
 squamosa, 138.
- caretta, *Caretta*, 139.
 Testudo, 139.
- carinata, *Aromochelys*, 126.
 carinatum, *Kinosternon*, 126.
 carinatus, *Sternotherus*, 126.
 carmenensis, *Dipso-saurus*, 43.
 carolina, *Terrapene*, 130.
 Testudo, 130.
- carolinense, *Engystoma*, 38.
 carolinensis, *Anolis*, 42.
 Anolius, 42.
 Desmognathus, 19.
 Gastrophryne, 38.
 Hyla, 30.
- Carphophiops amoenus, 81.
 vermis, 81.
- Carphophis, 80.
 amoena, 80.
 vermis, 81.
- catalinae, *Batrachoseps*, 8.
 catalinensis, *Cnemidophorus*, 70.
 Dipso-saurus, 43.
 Lampropeltis, 98.
- catenatus, *Crotalinus*, 121.
 Sistrurus, 121.
- catenifer, *Coluber*, 94.
 Pituophis, 94.
 Pityophis, 94.
- catesbeiana, *Rana*, 35.
 catesbiana, *Rana*, 35.
- Caudata, 1.
- caudatus, *Batrachoseps*, 9.
- Caudisona enyo, 123.
 lepida, 124.
 mitchellii, 124.
- celaeonops, *Lampropeltis*, 102.
- celeripes, *Cnemidophorus*, 70.
- Celuta vermis, 81.
- Cemophora, 103.
 coccinea, 103.
- centrata, *Malaclemys*, 131.
 Testudo, 131.
- ceralbensis, *Verticaria*, 68.
- cerastes, *Crotalus*, 123.
- cerroense, *Phrynosoma*, 60.
- Chain-snake, 98.
- Chameleon, 42.
- Charina, 80.
 bottae, 80.
 utahensis, 80.
- Chelonia, 138.
 agassizii, 138.
 mydas, 138.
 olivacea, 139.
- Cheloniidae, 138.
- Chelonura temminckii, 128.
- Chelydra, 128.
 osceola, 128.

- Chelydra serpentina*, 129.
Chelydridae, 128.
 Chicken-snake, 92.
 Chicken-turtle, 137.
Chilomeniscus, 105.
 cinctus, 105.
 ephippicus, 105.
 punctatissimus, 105.
 stramineus, 105.
Chionactis isozonus, 104.
 occipitalis, 103.
 taylorii, 104.
chlorosoma, *Coluber*, 90.
 Elaphe, 90.
Chondrotus aterrimus, 7.
 cingulatus, 4.
 decorticatus, 5.
 microstomus, 6.
 paroticus, 6.
 texanus, 7.
Chorophilus feriarum, 27.
 nigritus, 28.
 occidentalis, 28.
 ocularis, 28.
 ornatus, 28.
 septentrionalis, 28.
 triseriatus, 29.
Chrysemys, 133.
 bellii, 134.
 dorsalis, 134.
 marginata, 133.
 nebulosa, 136.
 picta, 134.
 treleasei, 134.
chrysoscelis, *Hyla*, 32.
 Chuck-walla, 45.
cinctus, *Chilomeniscus*, 105.
cinerea, *Hyla*, 30.
 Salamandra, 10.
cinereus, *Calamita*, 30.
 Plethodon, 10.
 Sphaerodactylus, 41.
cingulatum, *Amblystoma*, 4.
 Ambystoma, 4.
cingulatus, *Chondrotus*, 4.
Cinosternum baurii, 127.
 flavescens, 127.
 steindachneri, 127.
cirrigera, *Eurycea*, 16.
 cirrigera, *Spelerpes*, 16.
Cistudo blandingii, 130.
 major, 131.
 ornata, 131.
 triunguis, 130.
clamata, *Rana*, 35.
clamitans, *Rana*, 35.
clarionensis, *Uta*, 50.
clarkii, *Natrix*, 106.
 Regina, 106.
 Sceloporus, 54, 57.
Clemmys, 129.
 guttata, 129.
 insculpta, 129.
 marmorata, 129.
 muhlenbergii, 130.
Cnemidophorus, 70.
 bacatus, 70.
 bartolomas, 70.
 canus, 70.
 catalinensis, 70.
 celeripes, 70.
 dickersonae, 70.
 disparilis, 71.
 estebanensis, 71.
 grahamii, 71.
 gularis, 71.
 hyperythrus, 69.
 labialis, 71.
 martyris, 71.
 maximus, 72.
 melanostethus, 72.
 multiscutatus, 72.
 mundus, 73.
 perplexus, 72.
 punctilinealis, 72.
 rubidus, 73.
 sexlineatus, 73.
 stejnegeri, 73.
 stejnegerii, 74.
 tessellatus, 73.
 vandenburghi, 74.
 Coach whip, 87.
coccinea, *Cemophora*, 103.
 Osceola, 101.
coccineus, *Coluber*, 103.
coeruleus, *Gerrhonotus*, 64.
cognatus, *Bufo*, 24.
Coleonyx, 41.

- Coleonyx brevis*, 41.
 variegatus, 42.
Collared lizard, 43.
collaris, *Agama*, 43.
 Crotaphytus, 43, 44.
Colpochelys kempii, 139.
Coluber, 86.
 abacurus, 81.
 aestivus, 85.
 amoenus, 80.
 anthonyi, 86.
 aurigulus, 86.
 bairdi, 90.
 bairdii, 90.
 barbouri, 86.
 californiae, 97.
 calligaster, 97.
 catenifer, 94.
 chlorosoma, 90.
 coccineus, 103.
 confinis, 91.
 constrictor, 86.
 couperi, 93.
 edwardsii, 83.
 elapsoides, 98.
 emoryi, 91.
 eques, 113.
 erythrogrammus, 81.
 fasciatus, 108.
 flagellum, 87.
 flaviventris, 87.
 fulvus, 120.
 getulus, 98.
 girardi, 89.
 guttatus, 90.
 infernalis, 117.
 lactus, 91.
 lateralis, 88.
 melanoleucus, 95.
 mormon, 87.
 obsoletus, 91, 92.
 occipito-maculatus, 110.
 ornatus, 89.
 parietalis, 117.
 piceus, 87.
 planiceps, 119.
 proximus, 115.
 punctatus, 83.
 quadrivittatus, 92.
Coluber rhombomaculatus, 100.
 rigidus, 107.
 rosaceus, 92.
 rosaliae, 92.
 ruthveni, 88.
 saurita, 116.
 sayi, 96.
 schotti, 88.
 semilineatus, 88.
 septemvittatus, 107.
 simus, 85.
 sipedon, 108.
 sirtalis, 116.
 striatulus, 111.
 subocularis, 92.
 taeniatus, 88.
 triangulum, 101.
 vernalis, 85.
 vertebralis, 96.
 vulpinus, 93.
 zonatus, 100.
Colubridae, 80.
columbiensis, *Bufo*, 24.
Common newt, 4.
 snapper, 129.
compactilis, *Bufo*, 25.
compressicauda, *Natrix*, 106.
 Nerodia, 106.
Composoma couperii, 93.
concentrica, *Malaclemmys*, 132.
 Malaclemys, 131.
 Testudo, 131.
concinna, *Eutaenia*, 117.
 Pseudemys, 135.
 Testudo, 135.
 Uta, 50.
concinus, *Thamnophis*, 116.
 Tropidonotus, 116.
confinis, *Coluber*, 91.
 Elaphe, 91.
 Scotophis, 91.
confluens, *Natrix*, 108.
confluentus, *Crotalus*, 123.
Congo eel, 2.
 snake, 2.
Coniophanes, 117.
 imperialis, 117.
conjuncta, *Lampropeltis*, 99.
consobrinus, *Sceloporus*, 54.

- constrictor, Coluber, 86.
 Zamenis, 87.
 Contia, 102.
 mitis, 102.
 pygaea, 109.
 taylori, 104.
 tenuis, 102.
 contortrix, Ancistrodon, 121.
 Boa, 84.
 Heterodon, 84.
 Cooters, 135.
 Cophosaurus texanus, 49.
 Copperhead, 120.
 Coral-snakes, 119.
 Cordylus multi-carinatus, 64.
 coriacea, Dermochelys, 139.
 Testudo, 139.
 Corn-snake, 90.
 cornuta, Agama, 61.
 cornutum, Phrynosoma, 61.
 coronata, Agama, 61.
 Tantilla, 118.
 coronatum, Phrynosoma, 61.
 Costata, 22.
 Cotton-mouth moccasin, 121.
 couchii, Eutaenia, 115.
 Eutainia, 114.
 Scaphiopus, 22.
 Sceloporus, 55.
 Thamnophis, 114.
 couperi, Coluber, 93.
 Drymarchon, 93.
 couperii, Compsosoma, 93.
 Cricket-frog, 27.
 crinitus, Callisaurus, 46.
 croceater, Ensatina, 12.
 Plethodon, 12.
 Crocodile, 39.
 Crocodilus acutus, 39.
 americanus, 39.
 mississippiensis, 39.
 crocodilus, Lacerta, 39.
 Crocodylidae, 39.
 Crocodylus, 39.
 acutus, 39.
 Crotalinus catenatus, 121.
 Crotalophorus edwardsii, 121.
 Crotalus, 122.
 adamanteus, 122.
 atrox, 122.
 cerastes, 123.
 confluentus, 123.
 elegans, 122.
 enyo, 123.
 exsul, 124.
 goldmani, 124.
 horridus, 124.
 lepidus, 124.
 lucasensis, 123.
 lucifer, 125.
 miliarius, 122.
 mitchellii, 124.
 molossus, 125.
 oreganus, 125.
 piscivorus, 121.
 pricei, 125.
 ruber, 124.
 scutulatus, 122.
 tigris, 125.
 tortugensis, 125.
 willardi, 126.
 Crotaphytus, 43.
 baileyi, 44.
 collaris, 43, 44.
 dickersonae, 44.
 dorsalis, 43.
 insularis, 44.
 reticulatus, 44.
 silus, 44.
 wislizenii, 44, 45.
 crucifer, Hyla, 30.
 Cryptobranchidae, 3.
 Cryptobranchus, 3.
 alleganiensis, 3.
 alleghaniensis, 3.
 alleghehiensis, 3.
 Ctenosaura, 42.
 hemilopha, 42.
 multispinis, 42.
 cuneus, Hypopachus, 38.
 Cyclophis aestivus, 86.
 cyclopion, Natrix, 106.
 Tropidonotus, 106.
 cyclopium, Natrix, 106.
 Cyclura hemilopha, 42.
 danielsi, Gyrinophilus, 13.
 Spelerpes, 13.



- debilis, Bufo, 25.
 decortcatum, Amblystoma, 5.
 Amblystoma, 5.
 decorticatus, Chondrotus, 5.
 decurtata, Phimothya, 90.
 decurtatus, Phyllorhynchus, 90.
 Deirochelys, 137.
 reticularia, 137.
 dekayi, Storeria, 110.
 Tropidonotus, 110.
 DeKay's snake, 110.
 Dermochelidae, 139.
 Dermochelys, 139.
 coriacea, 139.
 schlegelii, 140.
 deserticola, Pituophis, 95.
 Desmognathus, 19.
 auriculata, 19.
 auriculatus, 19.
 brimleyorum, 19.
 carolinensis, 19.
 fusca, 19.
 fuscus, 19.
 monticola, 20.
 ochrophaea, 19.
 ochrophaeus, 19.
 phoca, 20.
 quadra-maculatus, 20.
 quadrinaculata, 20.
 Diadophis, 82.
 amabilis, 82.
 anthonyi, 83.
 arizonae, 84.
 arnyi, 83.
 edwardsii, 83.
 occidentalis, 82.
 pulchellus, 82.
 punctatus, 83.
 regalis, 84.
 similis, 82.
 stictogenys, 83.
 vandenburghi, 82.
 Diamond-back rattler, 122.
 terrapins, 131.
 Diapsida, 39.
 Diampetodon, 7.
 aterrimum, 7.
 aterrimus, 7.
 ensatus, 7.
 dickersonae, Cnemidophorus, 70.
 Crotaphytus, 44.
 Diemyctylus meridionalis, 3.
 torosus, 3.
 viridescens, 4.
 Diplodactylus unctus, 41.
 Dipsas septentrionalis, 118.
 Dipso-saurus, 43.
 carmenensis, 43.
 catalinensis, 43.
 dorsalis, 43.
 lucasensis, 43.
 Discoglossidae, 22.
 disparilis, Cnemidophorus, 71.
 Sceloporus, 55.
 Distelidae, 120.
 ditmarsii, Phrynosoma, 61.
 dorsalis, Chrysemys, 134.
 Crotaphytus, 43.
 Dipso-saurus, 43.
 Plethodon, 10.
 Salamandra, 4.
 Triturus, 4.
 douglasii, Phrynosoma, 61.
 douglassii, Agama, 61.
 Phrynosoma, 61.
 draconoides, Callisaurus, 46.
 draytoni, Rana, 34.
 draytonii, Rana, 34.
 Dromicus flavilatus, 96.
 Drymarchon, 93.
 couperi, 93.
 melanurus, 94.
 Drymobius, 93.
 aurigulus, 86.
 margaritiferus, 93.
 dulcis, Glaucania, 79.
 Leptotyphlops, 79.
 Rena, 79.
 Dusky salamander, 10.
 Dwarf salamander, 14.
 Ebbet, 4.
 edwardsii, Coluber, 83.
 Crotalophorus, 121.
 Diadophis, 83.
 Sistrurus, 121.
 Eel, blind, 2.
 Congo, 2.

- Eel, mud, 21.
 Eft, red, 4.
 egregius, Eumeces, 75.
 Plestiodon, 75.
 eiseni, Tantilla, 118.
 Elaphe, 90.
 bairdi, 90.
 chlorosoma, 90.
 confinis, 91.
 guttata, 90.
 laeta, 91.
 lindheimerii, 92.
 obsoleta, 91.
 quadrivittata, 92.
 rosacea, 92.
 rosaliae, 92.
 subocularis, 92.
 vulpina, 93.
 vulpinus, 93.
 Elaphis guttatus, 91.
 lindheimerii, 91.
 obsoletus, 91.
 quadrivittatus, 92.
 Elapidae, 119.
 Elaps euryxanthus, 119.
 fulvius, 120.
 elapsoidea, Osceola, 98.
 elapsoides, Coluber, 98.
 Lampropeltis, 98.
 elegans, Arizona, 94.
 Crotalus, 122.
 Emys, 135.
 Eutaenia, 114.
 Eutainia, 114.
 Holbrookia, 48.
 Pseudemys, 135.
 Rhinechis, 94.
 Thamnophis, 114.
 Uta, 50.
 Virginia, 110.
 Eleutherodactylus, 32.
 latrans, 32.
 ricordii, 32.
 Elgaria nobilis, 65.
 principis, 65.
 elongatus, Plethodon, 10.
 Sceloporus, 55.
 emoryi, Amyda, 140.
 Aspidoneutes, 140.
 emoryi, Coluber, 91.
 Emys, 130.
 bellii, 134.
 blandingii, 130.
 elegans, 135.
 hieroglyphica, 135.
 marmorata, 129.
 pileata, 132.
 pseudogeographica, 133.
 troostii, 136.
 Engystoma areolata, 37.
 carolinense, 38.
 texense, 38.
 Ensatina, 12.
 croceater, 12.
 eschschooltzii, 12.
 ensatus, Dicamptodon, 7.
 Triton, 7.
 enyo, Caudisoma, 123.
 Crotalus, 123.
 ephippicus, Chilomeniscus, 105.
 epipleurotus, Eumeces, 76.
 episcopa, Sonora, 104.
 epixanthum, Ambystoma, 5.
 eques, Coluber, 113.
 Eutaenia, 113.
 Thamnophis, 13.
 Eretmochelys, 138.
 imbricata, 38.
 squamosa, 138.
 erythrogaster, Natrix, 108.
 erythrogrammus, Abastor, 81.
 Coluber, 81.
 eschschooltzii, Ensatina, 12.
 Plethodon, 12.
 espiritensis, Verticaria, 68.
 estebanensis, Cnemidophorus, 71.
 Eublepharis variegatus, 41, 42.
 Euchirotes biporus, 78.
 Eumeces, 74.
 anthracinus, 74.
 brevilineatus, 75.
 egregius, 75.
 epipleurotus, 76.
 fasciatus, 75.
 guttulatus, 75.
 lagunensis, 75.
 leptogrammus, 76.
 longirostris, 76.

- Eumeces multivirgatus*, 76.
 obsoletus, 76.
 pachyurus, 76.
 pluvialis, 77.
 quinquelineatus, 75.
 septentrionalis, 77.
 skiltonianus, 77.
 tetragrammus, 77.
Euphryne obesus, 45.
Eurycea, 15.
 bislineata, 15.
 cirrigera, 16.
 gutto-lineata, 16.
 longicauda, 16.
 lucifuga, 16.
 melanopleura, 17.
 montana, 14.
 multiplicata, 17.
 platycephala, 17.
 rubra, 15.
 schencki, 15.
 wilderae, 16.
euryxanthus, *Elaps*, 119.
 Micrurus, 119.
Eutaenia angustirostris, 112.
 biscutata, 114.
 butleri, 112.
 butlerii, 112.
 concinna, 117.
 couchii, 115.
 elegans, 114.
 eques, 113.
 hammondii, 114.
 marciana, 113.
 megalops, 113.
 ordinoides, 113.
 parietalis, 117.
 proxima, 115.
 radix, 116.
 sackenii, 116.
 saurita, 116.
 sirtalis, 116.
 vagrans, 115.
Eutainia atrata, 114.
 couchii, 114.
 elegans, 114.
 marciana, 113.
 radix, 115.
 vagrans, 115.
evittata, *Hyla*, 30.
eximia, *Hyla*, 30.
exsul, *Crotalus*, 124.
extenuatum, *Stilosoma*, 102.
extenuatus, *Stylophis*, 102.
farallonensis, *Aneides*, 18.
 Autodax, 18.
Farancia, 81.
 abacura, 81.
fasciata, *Lacerta*, 75.
 Natrix, 108.
fasciatus, *Coluber*, 108.
 Eumeces, 75.
femoralis, *Hyla*, 30.
Fence lizard, 59.
feriarum, *Chorophilus*, 27.
 Helocaetes, 27.
 Pseudacris, 27.
ferox, *Amyda*, 140.
 Testudo, 140.
ferreus, *Anaides*, 18.
 Aneides, 18.
 Autodax, 18.
Ficimia, 104.
 cana, 104.
flagellum, *Coluber*, 87.
 Zamenis, 87.
flavescens, *Cinosternum*, 127.
 Kinosternon, 127.
 Platythyra, 127.
flavilata, *Rhadinaea*, 96.
flavilatus, *Dromicus*, 96.
 Leimadophis, 96.
flavilenta, *Holbrookia*, 48.
flavissimus, *Pseudotriton*, 14.
flaviventris, *Coluber*, 87.
Florida pine lizard, southern, 59.
 snapper, 128.
floridana, *Lampropeltis*, 99.
 Pseudemys, 135.
 Rhineura, 78.
 Testudo, 135.
floridanum, *Lepidosternon*, 78.
floridanus, *Sceloporus*, 58.
Four-toed salamander, 9.
fowleri, *Bufo*, 25.
Fowler's toad, 25.
Fox-snake, 93.

- franciscensis*, *Verticaria*, 69.
Frog, Anderson tree, 29.
 bull, 35.
 cricket, 27.
 gopher, 33.
 green, 35.
 leopard, 36.
 mink, 36.
 pickerel, 36.
 southern leopard, 37.
 sphagnum, 37.
 spring, 35.
 wood, 37.
frontale, *Phrynosoma*, 60.
frontalis, *Phrynosoma*, 60.
fulvius, *Coluber*, 120.
 Elaps, 120.
 Micrurus, 120.
fulviventor, *Natrix*, 108.
fusca, *Desmognathus*, 19.
fuscus, *Desmognathus*, 19.
 Triturus, 19.

gabbii, *Callisaurus*, 47.
garmani, *Sceloporus*, 55.
Garter-snakes, 112.
Gastrophryne, 37.
 areolata, 37.
 carolinensis, 38.
 texensis, 38.
Gekkonidae, 40.
gentilis, *Lampropeltis*, 101.
 Ophibolus, 101.
 Osecola, 102.
geographica, *Graptomys*, 132.
 Testudo, 132.
Gerrhonotus, 64.
 burnettii, 64.
 coeruleus, 64.
 infernalis, 64.
 multi-carinatus, 64, 65.
 nobilis, 65.
 palmeri, 65.
 palmerii, 65.
 principis, 65.
 scineicauda, 65.
 webbii, 66.
getula, *Lampropeltis*, 98.
getulus, *Coluber*, 98.

getulus, *Lampropeltis*, 98.
 Ophibolus, 98.
Giant newt, 3.
Gila monster, 67.
gilberti, *Amoebopsis*, 67.
 Xantusia, 67.
girardi, *Coluber*, 89.
Glass-snake, 64.
Glauconia duleis, 79.
 humilis, 79.
glutinosa, *Salamandra*, 10.
glutinosus, *Plethodon*, 10.
goldmani, *Crotalus*, 124.
Goniochelys minor, 126.
Gopher-frog, 33.
Gopher-snake, 93.
Gopher-turtles, 137.
Gopherus, 137.
 agassizii, 137.
 berlandieri, 137.
 polyphemus, 137.
gracilis, *Sceloporus*, 56.
 Siredon, 6.
 Tantilla, 119.
graciosa, *Uta*, 50.
graciosus, *Sceloporus*, 55.
 Urosaurus, 50.
grahamiae, *Salvadora*, 89.
grahamii, *Cnemidophorus*, 71.
 Natrix, 106.
 Regina, 106.
grandaevus, *Sator*, 54.
Graptomys, 132.
 geographica, 132.
 kohnii, 133.
 oculifera, 133.
 pseudogeographica, 133.
gratiosa, *Hyla*, 31.
Green frog, 35.
Green-snake, rough, 85.
 smooth, 85.
Green-turtles, 138.
Gridiron-tailed lizard, 47.
Ground rattler, 122.
grylio, *Rana*, 35.
gryllus, *Acris*, 27.
 Rana, 27.
gularis, *Cnemidophorus*, 71.
guttata, *Clemmys*, 129.

- guttata*, *Elaphe*, 90.
 Testudo, 129.
guttatus, *Coluber*, 90.
 Elaphis, 91.
gutto-lineata, *Eurycea*, 16.
 Salamandra, 16.
guttolineatus, *Spelerpes*, 16.
guttulatus, *Eumeces*, 75.
 Lamprosaurus, 75.
Gyalopion canum, 104.
Gyalopium canum, 104.
Gyrinophilus, 13.
 danielsi, 13.
 maculicaudus, 16.
 porphyriticus, 13.

Haldea striatula, 111.
halophila, *Bufo*, 24.
halophilus, *Bufo*, 24.
hammondii, *Eutaenia*, 114.
 Scaphiopus, 23.
 Spea, 23.
 Thamnophis, 114.
Hawks-bills, 138.
heermanni, *Pituophis*, 95.
 Pityophis, 95.
Helicops alleni, 112.
Hell-bender, 3.
Helocaetes feriarum, 27.
Heloderma, 67.
 suspectum, 67.
Helodermatidae, 67.
Hemidactylum, 9.
 pacificum, 9.
 scutatum, 9.
Hemidactylus, 40.
 turcicus, 40.
hemilopha, *Ctenosaura*, 42.
 Cyclura, 42.
hemiophrys, *Bufo*, 25.
henshavi, *Zablepsis*, 67.
henshawii, *Xantusia*, 67.
hernandesii, *Phrynosoma*, 61.
 Tapaya, 61.
Herpetodryas margaritiferus, 93.
herrerae, *Lampropeltis*, 100.
hesperis, *Uta*, 53.
Heterodon, 84.
 browni, 84.

Heterodon contortrix, 84.
 nasicus, 85.
 platyrhinus, 84.
 simus, 85.
hexalepis, *Phimothyrus*, 89.
 Salvadora, 89.
hieroglyphica, *Emys*, 135.
 Pseudemys, 135.
hippocrepis, *Kinosternon*, 128.
hispidus, *Sauromalus*, 45.
Hog-nose snakes, 84.
holbrookii, *Lampropeltis*, 99.
Holbrookia, 48.
 approximans, 48.
 campi, 48.
 elegans, 48.
 flavilenta, 48.
 lacerata, 49.
 maculata, 48.
 propinqua, 49.
 pulchra, 49.
 texana, 49.
holbrookii, *Rana*, 23.
 Scaphiopus, 23.
Homalosaurus ventralis, 47.
Horn-snake, 81.
Horn-toads, 60.
horridus, *Crotalus*, 124.
hueyi, *Thamnophis*, 115.
humilis, *Glaucania*, 79.
 Rena, 79.
 Siagonodon, 79.
hurterii, *Scaphiopus*, 23.
Hydromantes, 17.
 platycephala, 17.
 platycephalus, 17.
Hyla, 29.
 andersonii, 29.
 arenicolor, 29.
 baudinii, 29.
 canadensis, 28.
 carolinensis, 30.
 chrysoscelis, 32.
 cinerea, 30.
 crucifer, 30.
 evittata, 30.
 eximia, 30.
 femoralis, 30.
 gratiosa, 31.

- Hyla phaeocrypta*, 31.
 pickeringii, 30.
 regilla, 31.
 squirella, 31.
 triseriata, 29.
 versicolor, 31.
Hylidae, 27.
Hylodes ocularis, 28.
 ricordii, 32.
hyperythra, *Verticaria*, 69.
hyperythrus, *Cnemidophorus*, 69.
Hypopachus, 38.
 cuneus, 38.
Hypsiglena, 104.
 ochrorhyncha, 104.
 ochrorhynchus, 104.
 texana, 105.

iëcanus, *Aneides*, 18.
 Autodax, 18.
 Plethodon, 18.
Iguanidae, 42.
imbricata, *Eretmochelys*, 138.
 Testudo, 138.
imperialis, *Coniophanes*, 117.
 Taeniophis, 117.
Indigo-snake, 93.
infernalis, *Coluber*, 117.
 Gerrhonotus, 64.
 Thamnophis, 117.
inornata, *Virginia*, 111.
inornatus, *Amphiardis*, 111.
insculpta, *Clemmys*, 129.
 Testudo, 129.
insularis, *Crotaphytus*, 44.
intermedius, *Plethodon*, 11.
inuitatus, *Callisaurus*, 47.
isozonus, *Chionactis*, 104.

jamesi, *Phrynosoma*, 62.
jarrovii, *Sceloporus*, 56.
jeffersoniana, *Ambystoma*, 5.
 Salamandra, 5.
jeffersonianum, *Amblystoma*, 5.
 Ambystoma, 5.
Joint-snake, 64.
jordani, *Plethodon*, 11.

kempii, *Caretta*, 139.
 Colpochelys, 139.
 Thalassochelys, 139.
King-snake, 98.
Kinosternidae, 126.
Kinosternon, 127.
 baurii, 127.
 carinatum, 126.
 flavescens, 127.
 hippocrepis, 128.
 odoratum, 127.
 pensilvanicum, 128.
 sonoriense, 127.
 steindachneri, 127.
 subrubrum, 128.
kirtlandii, *Natrix*, 107.
 Regina, 107.
kohnii, *Graptomys*, 133.
 Malacoclemmys, 133.

labialis, *Cnemidophorus*, 71.
lacerata, *Holbrookia*, 49.
Lacerta alligator, 39.
 crocodilus, 39.
 fasciata, 75.
 maculata, 5.
 sexlineata, 73.
 turcica, 40.
lacertina, *Siren*, 21.
laeta, *Elaphe*, 91.
laetus, *Coluber*, 91.
 Scotophis, 91.
lagunensis, *Eumeces*, 75.
Lampropeltis, 97.
 agalma, 97.
 alterna, 97.
 amaura, 101.
 annulata, 101.
 boyllii, 98.
 brooksi, 99.
 californiae, 97.
 calligaster, 97.
 catalinensis, 98.
 celaenops, 102.
 conjuncta, 99.
 elapsoides, 98.
 floridana, 99.
 gentilis, 101.
 getula, 98.

- Lampropeltis getulus*, 98.
 herrerae, 100.
 holbrookii, 99.
 multicincta, 100.
 niger, 99.
 nigra, 99.
 nitida, 97.
 pyromelana, 100.
 pyrrhomelaena, 100.
 rhombomaculata, 100.
 splendida, 99.
 syspila, 102.
 triangula, 101.
 triangulum, 101.
 virginiana, 98.
 yumanensis, 100.
Lamprosaurus guttulatus, 75.
laterale, *Leiopisma*, 74.
lateralis, *Coluber*, 88.
 Leptophis, 88.
 Lysoptychus, 55.
 Scincus, 74.
 Zamenis, 88.
latiremis, *Rana*, 35.
latrans, *Eleutherodactylus*, 32.
 Lithodytes, 32.
leberis, *Natrix*, 107.
lecontei, *Rhinocheilus*, 103.
 Rhinochilus, 103.
Leimadophis, 96.
 flavilatus, 96.
Leiopisma, 74.
 laterale, 74.
lentiginosus, *Bufo*, 26.
Leopard-frog, 36.
 southern, 37.
Leopard-lizard, 45.
lepida, *Caudisona*, 124.
Lepidosternon floridanum, 78.
lepidus, *Crotalus*, 124.
Leposternidae, 78.
Leptodactylidae, 32.
Leptodeira, 118.
 septentrionalis, 118.
leptogrammus, *Eumeces*, 76.
Leptophis lateralis, 88.
 taeniata, 88.
Leptotyphlopidae, 79.
Leptotyphlops, 79.
 Leptotyphlops dulcis, 79.
 leucopus, *Batrachoseps*, 9.
Leurognathus, 20.
 marmorata, 20.
levicollis, *Barissia*, 66.
levis, *Uta*, 51.
Lichanura, 79.
 roseofusca, 79.
 trivirgata, 80.
licki, *Sceloporus*, 56.
lickii, *Sceloporus*, 56.
lindheimerii, *Elaphe*, 92.
 Elaphis, 92.
 Scotophis, 92.
lineatulus, *Sceloporus*, 56.
lineatum, *Tropidoclonion*, 111
 Tropidoclonium, 112.
lineatus, *Microps*, 111.
Linguaelapsus annulatus, 4.
Linguata, 22.
Liodytes, 112.
 alleni, 112.
 allenii, 112.
Liopeltis, 85.
 vernalis, 85.
Lithodytes latrans, 32.
 ricordii, 32.
Litoria occidentalis, 28.
littoralis, *Malaclemmys*, 132.
 Malaclemmys, 132.
Lizard, collared, 43.
 fence, 59.
 gridiron-tailed, 47.
 leopard, 45.
 pine, 59.
 southern Florida pine, 59.
Lodia tenuis, 102.
Loggerhead turtles, 139.
longicauda, *Eurycea*, 16.
 Salamandra, 16.
longicaudus, *Spelerpes*, 16.
longirostris, *Eumeces*, 76.
 Plestiodon, 76.
Loricata, 39.
lucasensis, *Crotalus*, 123.
 Dipso-saurus, 43.
lucifer, *Crotalus*, 125.
lucifuga, *Eurycea*, 16.
lugubris, *Aneides*, 18.

- lugubris, *Autodax*, 18.
 Salamandra, 18.
 luteiventris, *Rana*, 36.
Lycodon lyrophanes, 118.
 lyrophanes, *Lycodon*, 118.
 Trimorphodon, 118.
Lysoptychus lateralis, 55.

maccallii, *Anota*, 62.
 Phrynosoma, 62.
Macrochelys, 128.
 temminckii, 128.
macrodactyla, *Ambystoma*, 5.
macrodactylum, *Ambystoma*, 5.
 Ambystoma, 5.
macrospilota, *Malaclemmys*, 132.
 Malaclemmys, 132.
maculata, *Holbrookia*, 48.
 Lacerta, 5.
maculatum, *Ambystoma*, 5.
maculicaudus, *Gyrinophilus*, 16.
maculo-quadrata, *Salamandra*, 20.
maculosa, *Sirena*, 1.
maculosus, *Necturus*, 1.
magister, *Sceloporus*, 57.
major, *Batrachoseps*, 9.
 Cistudo, 131.
 Terrapene, 131.
Malaclemmys concentrica, 132.
 littoralis, 132.
 macrospilota, 132.
 pileata, 132.
Malaclemmys, 131.
 concentrica, 131.
 concentrica, 131.
 littoralis, 132.
 macrospilota, 132.
 pileata, 132.
Malacoclemmys kohnii, 133.
 oculifera, 133.
Manculus, 14.
 quadridigitatus, 14.
 remifer, 14.
mannophorus, *Uta*, 51.
Map-turtles, 132.
Marbled salamander, 6.
marciana, *Eutaenia*, 113.
 Eutainia, 113.
marcianus, *Thamnophis*, 113.

margaritiferus, *Drymobius*, 93.
 Herpetodryas, 93.
marginata, *Chrysemys*, 133.
marginatum, *Stereochilus*, 13.
marginatus, *Pseudotriton*, 13.
 Stereochilus, 13.
marmorata, *Clemmys*, 129.
 Emys, 129.
 Leurognathus, 20.
marnochii, *Syrrophus*, 33.
marnockii, *Syrrophus*, 33.
martinensis, *Uta*, 51.
martyris, *Cnemidophorus*, 71.
Massasauga, 121.
Masticophis ornatus, 89.
 ruthveni, 88.
 schotti, 88.
maximus, *Cnemidophorus*, 72.
m'callii, *Anota*, 62.
 Phrynosoma, 62.
means, *Amphiuma*, 2.
Meantes, 21.
mearnsi, *Uta*, 51.
mearnsii, *Uta*, 51.
megalops, *Eutaenia*, 113.
 Thamnophis, 113.
melanoleucus, *Coluber*, 95.
 Pituophis, 95.
 Pityophis, 95.
melanopleura, *Eurycea*, 17.
melanopleurus, *Spelerpes*, 17.
melanostethus, *Cnemidophorus*, 72.
melanurus, *Drymarchon*, 94.
 Spilotes, 94.
Menobanchus punctatus, 1.
meridionalis, *Diemictylus*, 3.
 Triturus, 3.
merriami, *Sceloporus*, 57.
metcalfi, *Plethodon*, 11.
Microps lineatus, 111.
microscutata, *Uta*, 51.
microstomum, *Ambystoma*, 6.
 Ambystoma, 6.
microstomus, *Chondrotus*, 6.
Micrurus, 119.
 euryxanthus, 119.
 fulvius, 120.
miliarius, *Crotalus*, 122.
 Sistrurus, 122.

- Milk-snake, 101.
 Mink-frog, 36.
 minor, *Goniocelys*, 126.
 Sternotherus, 126.
 mississippiensis, *Alligator*, 39.
 mississippiensis, *Alligator*, 39.
 Crocodilus, 39.
 mississippiensis, *Alligator*, 40.
 mitchellii, *Caudisona*, 124.
 Crotalus, 124.
 mitis, *Contia*, 102.
 Moccasin, cotton-mouth, 121.
 salt-water, 106.
 modesta, *Anota*, 63.
 modestum, *Phrynosoma*, 63.
 mokasen, *Agkistrodon*, 120.
 Agkistrodon, 120.
 Mole salamander, 6.
 snake, 100.
 molossus, *Crotalus*, 125.
 monserratus, *Sceloporus*, 57.
 montana, *Eurycea*, 14.
 montanus, *Pseudotriton*, 14.
 Spelerpes, 14.
 monticola, *Desmognathus*, 20.
 Moon-snake, 107.
 mormon, *Coluber*, 87.
 Mountain boomer, 43.
 Mud-eel, 21.
 Mud-snake, 81.
 Mud-turtles, 127.
 Mudpuppy, 1.
 mugitus, *Pituophis*, 96.
 muhlbergii, *Clemmys*, 130.
 Testudo, 130.
 multi-carinatus, *Cordylus*, 64.
 Gerrhonotus, 64, 65.
 multincta, *Lampropeltis*, 100.
 multicinctus, *Ophibolus*, 100.
 multiplicata, *Eurycea*, 17.
 multiplicatus, *Spelerpes*, 17.
 multiscutatus, *Cnemidophorus*, 72.
 multispinis, *Ctenosaura*, 42.
 multivirgatum, *Plestiodon*, 76.
 multivirgatus, *Eumeces*, 76.
 mundus, *Cnemidophorus*, 73.
 muscosa, *Rana*, 34.
 Musk-turtles, 126, 127.
 Mutabilia, 2.
 mutica, *Amyda*, 140.
 muticus, *Trionyx*, 140.
 mydas, *Chelonia*, 138.
 Testudo, 138.
 myurus, *Callisaurus*, 47.
 nasicus, *Heterodon*, 85.
 Natrix, 106.
 clarkii, 106.
 compressicauda, 106.
 confluens, 108.
 cyclopion, 106.
 cyclopium, 106.
 erythrogaster, 108.
 fasciata, 108.
 fulviventer, 108.
 grahamii, 106.
 kirtlandii, 107.
 leberis, 107.
 pictiventris, 108.
 rhombifera, 107.
 rigida, 107.
 septemvittata, 107.
 sipedon, 108.
 taxispilota, 109.
 transversa, 109.
 valida, 109.
 nebulosa, *Chrysemys*, 136.
 Pseudemys, 136.
 Necturidae, 1.
 Necturus, 1.
 maculosus, 1.
 punctatus, 1.
 nelsoni, *Phrynosoma*, 63.
 Neoseps, 78.
 reynoldsi, 78.
 Nerodia compressicauda, 106.
 Newt, California, 3.
 common, 4.
 giant, 3.
 niger, *Lampropeltis*, 99.
 Ophibolus, 99.
 nigra, *Anniella*, 66.
 Lampropeltis, 99.
 nigricauda, *Uta*, 51.
 nigriceps, *Tantilla*, 119.
 nigrita, *Pseudacris*, 27.
 Rana, 27.
 nigrilus, *Chorophilus*, 28.

- nitida, *Lampropeltis*, 97.
 nitidus, *Pseudotriton*, 15.
 nobilis, *Elgaria*, 65.
 Gerrhonotus, 65.
 nolascensis, *Uta*, 52.
 notata, *Uma*, 47.
 notatus, *Sphaerodactylus*, 41.
Notophthalmus torosus, 3.
 viridescens, 4.
 vittatus, 4.

 obesus, *Euphryne*, 45.
 Sauromalus, 45.
 obsoleta, *Elaphe*, 91.
 obsoletum, *Plestiodon*, 76.
 obsoletus, *Coluber*, 91.
 Elaphis, 91.
 Eumeces, 76.
 occidentalis, *Chorophilus*, 28.
 Diadophis, 82.
 Litoria, 28.
 Pseudacris, 28.
 Sceloporus, 57.
 occipitale, *Rhinostoma*, 103.
 occipitalis, *Chionactis*, 103.
 Sonora, 103.
 occipito-maculata, *Storeria*, 110.
 occipito-maculatus, *Coluber*, 110.
 ochrophaea, *Desmognathus*, 19.
 ochrophaeus, *Desmognathus*, 19.
 ochrorhyncha, *Hypsiglena*, 104.
 ochrorhynchus, *Hypsiglena*, 104.
 ocularis, *Chorophilus*, 28.
 Hylodes, 28.
 Pseudacris, 28.
 oculifera, *Graptomys*, 133.
 Malacoclemmys, 133.
 odorata, *Testudo*, 127.
 odoratum, *Kinosternon*, 127.
 odoratus, *Sternotherus*, 127.
 Sternotherus, 127.
 olivacea, *Caretta*, 139.
 Chelonia, 139.
 olympicus, *Ranodon*, 8.
 Rhyacotriton, 8.
 onca, *Rana*, 35.
 opaca, *Ambystoma*, 6.
 Salamandra, 6.
 opacum, *Ambystoma*, 6.

 opaeum, *Ambystoma*, 6.
Opheodrys, 85.
 aestivus, 85.
Ophibolus alternus, 97.
 boylii, 98.
 californiae, 97.
 calligaster, 97.
 gentilis, 101.
 getulus, 98.
 multicinctus, 100.
 niger, 99.
 pyromelanus, 100.
 pyrrhomelas, 100.
 rhomomaculatus, 101.
 sayi, 99.
 splendidus, 99.
 sympilus, 102.
Ophis californiae, 97.
Ophisaurus, 64.
 ventralis, 64.
orcutti, *Sceloporus*, 58.
orcuttii, *Sceloporus*, 58.
ordinoides, *Eutaenia*, 113.
 Thamnophis, 113.
 Tropidonotus, 113.
oreganus, *Crotalus*, 125.
oregonensis, *Plethodon*, 12.
ornata, *Cistudo*, 131.
 Pseudacris, 28.
 Rana, 28.
 Terrapene, 131.
 Uta, 52.
ornatissima, *Tapaya*, 62.
ornatissimum, *Phrynosoma*, 62.
ornatum, *Phrynosoma*, 62.
ornatus, *Chorophilus*, 28.
 Coluber, 89.
 Masticophis, 89.
 Zamenis, 89.
Osceola annulata, 101.
 coccinea, 101.
 clapsoidea, 98.
 gentilis, 102.
 sympila, 102.
 triangula, 101.
osceola, *Chelydra*, 128.

pachyurus, *Eumeces*, 76.
 Pacific tree-toad, 31.

- pacificum*, *Hemidactylum*, 9.
pacificus, *Batrachoseps*, 9.
Painted turtles, 133.
palmeri, *Gerrhonotus*, 65.
 Uta, 52.
palmerii, *Gerrhonotus*, 65.
 Uta, 52.
palustris, *Rana*, 36.
parietalis, *Coluber*, 117.
 Eutaenia, 117.
 Thamnophis, 117.
paroticum, *Amblystoma*, 6.
 Ambystoma, 6.
paroticus, *Chondrotus*, 6.
parviscutata, *Uta*, 51.
Patch-nose snake, 89.
Peeper, spring, 30.
Pelamydrus, 120.
 platurus, 120.
pensilvanicum, *Kinosternon*, 128.
perplexus, *Cnemidophorus*, 72.
phaeocrypta, *Hyla*, 31.
Phimothyra decurtata, 90.
 hexalepis, 89.
phoca, *Desmognathus*, 20.
 Salamandra, 20.
Phrynosoma, 60.
 blainvillei, 60.
 blainvillii, 60.
 brevicorne, 60.
 brevicornis, 60.
 brevirostre, 60.
 cerroense, 60.
 cornutum, 61.
 coronatum, 61.
 ditmarsii, 61.
 douglasii, 61.
 douglassii, 61.
 frontale, 60.
 frontalis, 60.
 hernandesi, 61.
 jamesi, 62.
 maccallii, 62.
 m'callii, 62.
 modestum, 63.
 nelsoni, 63.
 ornatissimum, 62.
 ornatum, 62.
 platyrhinos, 63.
Phrynosoma schmidtii, 63.
 solare, 63.
 solaris, 63.
Phyllodactylus, 40.
 tuberculosus, 40.
 unctus, 41.
Phyllorhynchus, 89.
 browni, 89.
 decurtatus, 90.
piceum, *Bascanion*, 87.
piceus, *Coluber*, 87.
 Zamenis, 87.
Pickereel-frog, 36.
pickeringii, *Hyla*, 30.
picta, *Chrysemys*, 134.
 Testudo, 134.
 Verticaria, 69.
pictiventris, *Natrix*, 108.
pileata, *Emys*, 132.
 Malaclemmys, 132.
 Malaclemys, 132.
Pilot black-snake, 91.
Pine-lizard, 59.
 southern Florida, 59.
Pine-snake, 95.
piapiens, *Rana*, 36.
piscivorus, *Agkistrodon*, 121.
 Ancistrodon, 121.
 Crotalus, 121.
Pituophis, 94.
 annectens, 94.
 catenifer, 94.
 deserticola, 95.
 heermanni, 95.
 melanoleucus, 95.
 mugitus, 96.
 rutilus, 95.
 sayi, 96.
 stejnegeri, 95.
 vertebralis, 96.
Pityophis catenifer, 94.
 heermanni, 95.
 melanoleucus, 95.
 sayi, 96.
 vertebralis, 96.
planiceps, *Coluber*, 119.
 Tantilla, 119.
platura, *Anguis*, 120.
platurus, *Pelamydrus*, 120.

- platycephala*, *Eurycea*, 17.
 Hydromantes, 17.
platycephalus, *Hydromantes*, 17.
 Spelerpes, 17.
platyrhina, *Anota*, 63.
platyrhinos, *Phrynosoma*, 63.
platyrhinus, *Heterodon*, 84.
Platythyra flavescens, 127.
Plestiodon anthracinus, 74.
 egregius, 75.
 longirostris, 76.
 multivirgatum, 76.
 obsoletum, 76.
 septentrionalis, 77.
 skiltonianum, 77.
 tetragrammus, 77.
Plethodon, 10.
 aeneus, 18.
 cinereus, 10.
 croceator, 12.
 dorsalis, 10.
 elongatus, 10.
 eschscholtzii, 12.
 glutinosus, 10.
 iëcanus, 18.
 intermedius, 11.
 jordani, 11.
 metcalfi, 11.
 oregonensis, 12.
 shermani, 11.
 vandykei, 11.
 wehrlei, 12.
 yonahlossee, 12.
Plethodontidae, 8.
pluvialis, *Eumeces*, 77.
poinsettii, *Sceloporus*, 59.
polyphemus, *Gopherus*, 137.
 Testudo, 137.
porphyritica, *Salamandra*, 13.
porphyriticus, *Gyrinophilus*, 13.
Potamophis, 111.
 striatulus, 111.
Prairie rattler, 123.
pretiosa, *Rana*, 36.
pricei, *Crotalus*, 125.
principis, *Elgaria*, 65.
 Gerrhonotus, 65.
propinqua, *Holbrookia*, 49.
Proteida, 1.
proxima, *Eutaenia*, 115.
 Thamnophis, 115.
proximus, *Coluber*, 115.
 Thamnophis, 115.
Pseudacris, 27.
 feriarum, 27.
 nigrita, 27.
 occidentalis, 28.
 ocularis, 28.
 ornata, 28.
 septentrionalis, 28.
 triseriata, 29.
Pseudemys, 135.
 alabamensis, 135.
 concinna, 135.
 elegans, 135.
 floridana, 135.
 hieroglyphica, 135.
 nebulosa, 136.
 rubriventris, 136.
 scripta, 136.
 texana, 136.
 troostii, 136.
Pseudobranchus, 21.
 striatus, 21.
pseudogeographica, *Emys*, 133.
 Graptemys, 133.
Pseudotriton, 14.
 flavissimus, 14.
 marginatus, 13.
 montanus, 14.
 nitidus, 15.
 ruber, 15.
 schencki, 15.
Puffing adder, 84.
pulchellus, *Diadophis*, 82.
pulchra, *Holbrookia*, 49.
punctatissimus, *Chilomeniscus*, 105.
punctatum, *Amblystoma*, 5.
punctatus, *Bufo*, 26.
 Coluber, 83.
 Diadophis, 83.
 Menobranchus, 1.
 Necturus, 1.
punctilinealis, *Cnemidophorus*, 72.
pygaea, *Contia*, 109.
 Seminatrix, 109.
pyromelana, *Lampropeltis*, 100.
pyromelanus, *Ophibolus*, 100.

- pyrrhomelaena, *Lampropeltis*, 100.
 pyrrhomelas, *Ophibolus*, 100.
- quadra-maculata, *Salamandra*, 20.
 quadra-maculatus, *Desmognathus*, 20.
 quadridigitata, *Salamandra*, 14.
 quadridigitatus, *Manculus*, 14.
 quadrimaculata, *Desmognathus*, 20.
 quadrivittata, *Elaphe*, 92.
 quadrivittatus, *Coluber*, 92.
 Elaphis, 92.
 Queen-snake, 107.
 quercicus, *Bufo*, 26.
 quinquelineatus, *Eumeces*, 75.
- Racer, blue, 87.
 western, 87.
- radix, *Eutaenia*, 116.
 Eutainia, 115.
 Thamnophis, 115.
- Rain-toad, 31.
- Rainbow-snake, 81.
- Rana, 33.
 aesopus, 33.
 areolata, 33.
 aurora, 34.
 boylii, 34.
 cantabrigensis, 35.
 catesbeiana, 35.
 catesbiana, 35.
 clamata, 35.
 clamitans, 35.
 draytoni, 34.
 draytonii, 34.
 grylio, 35.
 gryllus, 27.
 holbrookii, 23.
 latiremis, 35.
 luteiventris, 36.
 muscosa, 34.
 nigrita, 27.
 onca, 35.
 ornata, 28.
 palustris, 36.
 pipiens, 36.
 pretiosa, 36.
 septentrionalis, 36.
 sierrae, 34.
 silvatica, 37.
- Rana *sphenocephala*, 37.
 sylvatica, 37.
 virescens, 36.
 virgatipes, 37.
- Ranidae, 33.
- Ranodon *olympicus*, 8.
- rathbuni, *Typhlomolge*, 2.
- Rattler, diamond-back, 122.
 ground, 122.
 prairie, 123.
- Rattlesnake, banded, 124.
 black, 124.
 canebrake, 124.
 timber, 124.
- Rattlesnakes, 122.
- Red eft, 4.
 salamander, 15.
- Red-bellied snake, 110.
- Redbacked salamander, 10.
- regalis, *Diadophis*, 84.
- regilla, *Hyla*, 31.
- Regina *clarkii*, 106.
 grahamii, 106.
 kirtlandii, 107.
 valida, 109.
- remifer, *Manculus*, 14.
- Rena *dulcis*, 79.
 humilis, 79.
- repens, *Uta*, 52.
- Reptilia, 39.
- reticularia, *Deirochelys*, 137.
 Testudo, 137.
- reticulatus, *Crotaphytus*, 44.
- reynoldsi, *Neoseps*, 78.
- Rhadinaea *flavilata*, 96.
- Rhinechis *elegans*, 94.
- Rhineura, 78.
 floridana, 78.
- Rhinocheilus, 103.
 lecontei, 103.
- Rhinochilus *lecontei*, 103.
- Rhinostoma *occipitale*, 103.
- rhombifer, *Tropidonotus*, 107.
- rhombifera, *Natrix*, 107.
- rhombomaculata, *Lampropeltis*, 100.
- rhombomaculatus, *Coluber*, 100.
 Ophibolus, 101.
- Ribbon-snake, 116.
- ricordi, *Eleutherodactylus*, 32.

- ricordii, *Hylodes*, 32.
 Lithodytes, 32.
 rigida, *Natrix*, 107.
 rigidus, *Coluber*, 107.
 Ring-neck snakes, 82.
 riversiana, *Xantusia*, 68.
 rosacea, *Elaphe*, 92.
 rosaceus, *Coluber*, 92.
 rosaliae, *Coluber*, 92.
 Elaphe, 92.
 roseofusca, *Lichanura*, 79.
 Rough green-snake, 85.
 Rubber-snake, 80.
 ruber, *Crotalus*, 124.
 Pseudotriton, 15.
 Spelerpes, 15.
 rubidus, *Cnemidophorus*, 73.
 rubra, *Eurycea*, 15.
 Salamandra, 15.
 rubriventris, *Pseudemys*, 136.
 Testudo, 136.
 rufidorsum, *Sceloporus*, 58.
 ruthveni, *Coluber*, 88.
 Masticophis, 88.
 rutilus, *Pituophis*, 95.
 Rhyacotriton, 8.
 olympicus, 8.

 sackeni, *Thamnophis*, 116.
 sackenii, *Eutaenia*, 116.
 Thamnophis, 116.
 Salamander, dusky, 10.
 dwarf, 14.
 four-toed, 9.
 marbled, 6.
 mole, 6.
 red, 15.
 redbacked, 10.
 slimy, 10.
 spotted, 5.
 tiger, 7.
Salamandra alleganiensis, 3.
 auriculata, 19.
 bilineata, 15.
 cinerea, 10.
 dorsalis, 4.
 glutinosa, 10.
 gutto-lineata, 16.
 jeffersoniana, 5.

 Salamandra longicauda, 16.
 lugubris, 18.
 maculo-quadrata, 20.
 opaca, 6.
 phoca, 20.
 porphyritica, 13.
 quadra-maculata, 20.
 quadrigitata, 14.
 rubra, 15.
 scutata, 9.
 talpoidea, 6.
 texana, 7.
 tigrina, 7.
Salamandridae, 3.
Salamandrina attenuata, 8.
Salientia, 22.
 Salt-water moccasin, 106.
Salvadora, 89.
 grahamiae, 89.
 hexalepis, 89.
Sator, 54.
 angustus, 54.
 grandaevus, 54.
Sauria, 40.
 saurita, *Coluber*, 116.
 Eutaenia, 116.
 Thamnophis, 116.
 sauritus, *Thamnophis*, 116.
Sauromalus, 45.
 ater, 45.
 hispidus, 45.
 obesus, 45.
 slevini, 46.
 townsendi, 46.
 varius, 46.
 sayi, *Coluber*, 96.
 Ophibolus, 99.
 Pituophis, 96.
 Pityophis, 96.
 scalaris, *Sceloporus*, 58.
Scaphiopodidae, 22.
Scaphiopus, 22.
 albus, 23.
 couchii, 22.
 hammondii, 23.
 holbrookii, 23.
 hurterii, 23.
Sceloporus, 54.
 becki, 57.

- Sceloporus bi-seriatus*, 57.
 clarkii, 54, 57.
 consobrinus, 54.
 couchii, 55.
 disparilis, 55.
 elongatus, 55.
 floridanus, 58.
 garmani, 55.
 gracilis, 56.
 graciosus, 55.
 jarrovii, 56.
 licki, 56.
 lickii, 56.
 lineatulus, 56.
 magister, 57.
 merriami, 57.
 monserratisensis, 57.
 occidentalis, 57.
 orcutti, 58.
 orcuttii, 58.
 poinsettii, 59.
 rufidorsum, 58.
 scalaris, 58.
 spinosus, 58.
 taylori, 58.
 undulatus, 55, 59.
 vandenburgianus, 56.
 variabilis, 59.
 woodi, 59.
 zosteromus, 59.
schencki, *Eurycea*, 15.
 Pseudotriton, 15.
 Spelerpes, 15.
schlegelii, *Dermochelys*, 140.
 Sphargis, 140.
schmidtii, *Phrynosoma*, 63.
 Verticaria, 69.
schotti, *Coluber*, 88.
 Masticophis, 88.
 Zamenis, 88.
scincicauda, *Gerrhonotus*, 65.
 Tropidolepis, 65.
Scincidae, 74.
Scincus lateralis, 74.
Scorpion, 75.
Scotophis confinis, 91.
 laetus, 91.
 lindheimerii, 92.
 vulpinus, 93.
scripta, *Pseudemys*, 136.
 Testudo, 136.
scutata, *Salamandra*, 9.
scutatatum, *Hemidactylum*, 9.
scutulatus, *Crotalus*, 122.
semiannulata, *Sonora*, 104.
semilineatum, *Bascanium*, 88.
semilineatus, *Coluber*, 88.
 Zamenis, 88.
Seminatrix, 109.
 pygaea, 109.
septemvittata, *Natrix*, 107.
septemvittatus, *Coluber*, 107.
septentrionale, *Sibon*, 118.
septentrionalis, *Chorophilus*, 28.
 Dipsas, 118.
 Eumeces, 77.
 Leptodeira, 118.
 Plestiodon, 77.
 Pseudacris, 28.
 Rana, 36.
sericea, *Verticaria*, 69.
Serpentes, 79.
serpentina, *Chelydra*, 129.
 Testudo, 129.
sexlineata, *Lacerta*, 73.
sexlineatus, *Cnemidophorus*, 73.
Shell-turtles, 138.
shermani, *Plethodon*, 11.
Siagonodon, 79.
 humilis, 79.
Sibon septentrionale, 118.
Sidewinder, 123.
sierrae, *Rana*, 34.
silus, *Crotaphytus*, 44.
silvatica, *Rana*, 37.
similis, *Diadophis*, 82.
simus, *Coluber*, 85.
 Heterodon, 85.
sipedon, *Coluber*, 108.
 Natrix, 108.
Siredon gracilis, 6.
Siren, 21.
 lacertina, 21.
 striata, 21.
Sirena maculosa, 1.
Sirenidae, 21.
sirtalis, *Coluber*, 116.
 Eutaenia, 116.

- sirtalis*, *Thamnophis*, 116.
Sistrurus, 121.
 catenatus, 121.
 edwardsii, 121.
 miliarius, 122.
skiltonianum, *Plestiodon*, 77.
skiltonianus, *Eumeces*, 77.
Skink, blue-tailed, 75.
slevini, *Sauromalus*, 46.
 Uta, 53.
Sliders, 135.
Slimy salamander, 10.
Smilisca baudinii, 29.
Smooth green-snake, 85.
Snake, ball, 80.
 black, 86.
 bull, 96.
 chain, 98.
 chicken, 92.
 Congo, 2.
 corn, 90.
 DeKay's, 110.
 fox, 93.
 glass, 64.
 gopher, 93.
 horn, 81.
 indigo, 93.
 joint, 64.
 king, 98.
 milk, 101.
 mole, 100.
 moon, 107.
 mud, 81.
 patch-nose, 89.
 pilot black, 91.
 pine, 95.
 queen, 107.
 rainbow, 81.
 red-bellied, 110.
 ribbon, 116.
 ring-neck, 82.
 rough green, 85.
 rubber, 80.
 smooth green, 85.
 water, 108.
 western bull, 94.
 worm, 80.
Snakes, coral, 119.
 garter, 112.
 Snakes, hog-nose, 84.
 Snapper, alligator, 128.
 common, 129.
 Florida, 128.
 Soft-shelled turtles, 140.
 solare, *Phrynosoma*, 63.
 solaris, *Phrynosoma*, 63.
 Soldier turtles, 133.
 Sonora, 103.
 episcopa, 104.
 occipitalis, 103.
 semiannulata, 104.
 taylori, 104.
 sonoriense, *Kinosternon*, 127.
 Southern Florida pine lizard, 59.
 leopard-frog, 37.
 toad, 26.
 Spadefoot, 23.
 Spea hammondi, 23.
 spelaeus, *Typhlotriton*, 20.
 Spelerpes bilineatus, 15.
 cirrigera, 16.
 danielsi, 13.
 guttolineatus, 16.
 longicaudus, 16.
 melanopleurus, 17.
 montanus, 14.
 multiplicatus, 17.
 platycephalus, 17.
 ruber, 15.
 schencki, 15.
 Sphaerodactylus, 41.
 cinereus, 41.
 notatus, 41.
 Sphagnum-frog, 37.
 Sphargis schlegelii, 140.
 sphenocephala, *Rana*, 37.
 Spilotes melanurus, 94.
 spinifera, *Amyda*, 141.
 spiniferus, *Trionyx*, 141.
 spinosus, *Sceloporus*, 58.
 splendida, *Lampropeltis*, 99.
 splendidus, *Callisaurus*, 46.
 Ophibolus, 99.
 Spotted salamander, 5.
 turtle, 129.
 Spreading adder, 84.
 Spring-frog, 35.
 Spring-peeper, 30.

- Squamata, 40.
 squamata, Uta, 53.
 squamosa, Caretta, 138.
 Eretmochelys, 138.
 squirella, Hyla, 31.
 stansburiana, Uta, 53.
 steindachneri, Cinosternum, 127.
 Kinosternon, 127.
 stejnegeri, Cnemidophorus, 73.
 Pituophis, 95.
 Uta, 53.
 stejnegerii, Cnemidophorus, 74.
 stellata, Uta, 53.
 Stellio undulatus, 59.
 Stenodactylus variegatus, 42.
 Stereochilus, 13.
 marginatum, 13.
 marginatus, 13.
 Sternotherus odoratus, 127.
 Sternotherus, 126.
 carinatus, 126.
 minor, 126.
 odoratus, 127.
 stictogenys, Diadophis, 83.
 Stilosoma extenuatum, 102.
 Stink-pots, 126, 127.
 Storeria, 110.
 dekayi, 110.
 occipito-maculata, 110.
 victa, 110.
 stramineus, Chilomeniscus, 105.
 striata, Siren, 21.
 striatula, Haldea, 111.
 striatulus, Coluber, 111.
 Potamophis, 111.
 striatus, Pseudobranchius, 21.
 Stylophis, 102.
 extenuatus, 102.
 subocularis, Coluber, 92.
 Elaphe, 92.
 subrubra, Testudo, 128.
 subrubrum, Kinosternon, 128.
 suspectum, Heloderma, 67.
 Swifts, 70.
 sylvatica, Rana, 37.
 symmetrica, Uta, 52.
 Synapsida, 126.
 Syrrhophus, 33.
 campi, 33.
 Syrrhophus marnochii, 33.
 marnockii, 33.
 syspila, Lampropeltis, 102.
 Osceola, 102.
 syspilus, Ophibolus, 102.

 taeniata, Leptophis, 88.
 taeniatus, Coluber, 88.
 Zamenis, 88.
 Taeniophis imperialis, 117.
 talpoidea, Salamandra, 6.
 talpoideum, Ambystoma, 6.
 Ambystoma, 6.
 Tantilla, 118.
 coronata, 118.
 eiseni, 118.
 gracilis, 119.
 nigriceps, 119.
 planiceps, 119.
 wilcoxi, 119.
 Tapaya brevirostris, 60.
 hernandesi, 61.
 ornatissima, 62.
 taxispilota, Natrix, 109.
 taxispilotus, Tropidonotus, 109.
 taylori, Contia, 104.
 Sceloporus, 58.
 Sonora, 104.
 taylorii, Chionactis, 104.
 Teiidae, 68.
 temminckii, Chelonura, 128.
 Macrochelys, 128.
 tenebrosus, Ambystoma, 8.
 tenuis, Calamaria, 102.
 Contia, 102.
 Lodia, 102.
 Terrapene, 130.
 carolina, 130.
 major, 131.
 ornata, 131.
 triunguis, 130.
 Terrapins, diamond-back, 131.
 terrestris, Bufo, 26.
 tessellata, Ameiva, 73.
 tessellatus, Cnemidophorus, 73.
 Testudinata, 126.
 Testudinidae, 129.
 Testudo caretta, 139.
 carolina, 130.

- Testudo centrata*, 131.
 concentrica, 131.
 concinna, 135.
 coriacea, 139.
 ferox, 140.
 floridana, 135.
 geographica, 132.
 guttata, 129.
 imbricata, 138.
 insculpta, 129.
 muhlenbergii, 130.
 mydas, 138.
 odorata, 127.
 picta, 134.
 polyphemus, 137.
 reticularia, 137.
 rubriventris, 136.
 scripta, 136.
 serpentina, 129.
 subrubra, 128.
tetragrammus, *Eumeces*, 77.
 Plestiodon, 77.
texana, *Holbrookia*, 49.
 Hypsiglena, 105.
 Pseudemys, 136.
 Salamandra, 7.
texanum, *Amblystoma*, 7.
 Amblystoma, 7.
texanus, *Chondrotus*, 7.
 Cophosaurus, 49.
texense, *Engystoma*, 38.
texensis, *Gastrophryne*, 38.
thalassina, *Uta*, 54.
Thalassochelys kempii, 139.
Thamnophis, 112.
 angustirostris, 112.
 atratus, 114.
 biscutatus, 114.
 butleri, 112.
 concinus, 117.
 couchii, 114.
 elegans, 114.
 eques, 113.
 hammondii, 114.
 hueyi, 115.
 infernalis, 117.
 marcianus, 113.
 megalops, 113.
 ordinoides, 113.
 Thamnophis parietalis, 117.
 proxima, 115.
 proximus, 115.
 radix, 115.
 sackeni, 116.
 sackenii, 116.
 saurita, 116.
 sauritus, 116.
 sirtalis, 116.
 vagrans, 115.
Tiger salamander, 7.
tigrina, *Ambystoma*, 7.
 Salamandra, 7.
tigrinum, *Amblystoma*, 7.
 Ambystoma, 7.
tigris, *Crotalus*, 125.
Timber rattlesnake, 124.
Toad, American, 24.
 Fowler's, 25.
 Pacific tree, 31.
 rain, 31.
 southern, 26.
 tree, 31.
Toads, horn, 60.
torosus, *Diemyctylus*, 3.
 Notophthalmus, 3.
 Triturus, 3.
Tortrix bottae, 80.
tortugensis, *Crotalus*, 125.
townsendi, *Sauromalus*, 46.
transversa, *Natrix*, 109.
transversus, *Tropidonotus*, 109.
Tree-frog, Anderson, 29.
Tree-toad, 31.
 Pacific, 31.
treleasei, *Chrysemys*, 134.
triangula, *Lampropeltis*, 101.
 Osceola, 101.
triangulum, *Coluber*, 101.
 Lampropeltis, 101.
tridactylum, *Amphiuma*, 2.
Trimorphodon, 118.
 lyrophanes, 118.
Trionychidae, 140.
Trionyx muticus, 140.
 spiniferus, 141.
triseriata, *Hyla*, 29.
 Pseudacris, 29.
 triseriatus, *Chorophilus*, 29.

- Triton ensatus*, 7.
Triturus, 3.
 dorsalis, 4.
 fuscus, 19.
 meridionalis, 3.
 torosus, 3.
 viridescens, 4.
triunguis, *Cistudo*, 130.
 Terrapene, 130.
trivirgata, *Lichanura*, 80.
troostii, *Emys*, 136.
 Pseudemys, 136.
Tropidoclonion, 111.
 lineatum, 111.
Tropidoclonium lineatum, 112.
Tropidolepis scincicauda, 65.
Tropidonotus concinnus, 116.
 cyclopion, 106.
 dekayi, 110.
 ordinoides, 113.
 rhombifer, 107.
 taxispilotus, 109.
 transversus, 109.
truei, *Ascaphus*, 22.
tuberculosus, *Phyllodactylus*, 40.
turcica, *Lacerta*, 40.
turcius, *Hemidactylus*, 40.
Turtle, bastard, 139.
 Blanding's, 130.
 chicken, 137.
 spotted, 129.
 wood, 129.
Turtles, box, 130.
 gopher, 137.
 green, 138.
 loggerhead, 139.
 map, 132.
 mud, 127.
 musk, 126, 127.
 painted, 133.
 shell, 138.
 soft-shelled, 140.
 soldier, 133.
Typhlomolge, 2.
 rathbuni, 2.
Typhlomolgidae, 2.
Typhlotriton, 20.
 spelaeus, 20.
- Uma*, 47.
 notata, 47.
unctus, *Diplodactylus*, 41.
 Phyllodactylus, 41.
undulatus, *Sceloporus*, 55, 59.
 Stellio, 59.
Urosaurus graciosus, 50.
Uta, 50.
 auriculata, 50.
 clarionensis, 50.
 concinna, 50.
 elegans, 50.
 graciosa, 50.
 hesperis, 53.
 levis, 51.
 mannophorus, 51.
 martinensis, 51.
 mearnsi, 51.
 mearnsii, 51.
 microscutata, 51.
 nigricauda, 51.
 nolascensis, 52.
 ornata, 52.
 palmeri, 52.
 palmerii, 52.
 parviscutata, 51.
 repens, 52.
 slevini, 53.
 squamata, 53.
 stansburiana, 53.
 stejnegeri, 53.
 stellata, 53.
 symmetrica, 52.
 thalassina, 54.
 wrighti, 51.
utahensis, *Charina*, 80.
- vagrans*, *Eutaenia*, 115.
 Eutainia, 115.
 Thamnophis, 115.
valeriae, *Virginia*, 111.
valida, *Natrix*, 109.
 Regina, 109.
vallicept, *Bufo*, 26.
vandenburghi, *Cnemidophorus*, 74.
 Diadophis, 82.
vandenburgianus, *Sceloporus*, 56.
vandykei, *Plethodon*, 11.

- variabilis*, *Sceloporus*, 59.
variegatus, *Coleonyx*, 42.
 Eublepharis, 41, 42.
 Stenodactylus, 42.
varius, *Sauromalus*, 46.
ventralis, *Anguis*, 64.
 Callisaurus, 47.
 Homalosaurus, 47.
 Ophisaurus, 64.
vermis, *Carphophiops*, 81.
 Carphophis, 81.
 Celuta, 81.
vernalis, *Coluber*, 85.
 Liopeltis, 85.
versicolor, *Hyla*, 31.
vertebralis, *Coluber*, 96.
 Pituophis, 96.
 Pityophis, 96.
Verticaria, 68.
 beldingi, 69.
 caerulea, 68.
 ceralbensis, 68.
 espiritensis, 68.
 franciscensis, 69.
 hyperythra, 69.
 picta, 69.
 schmidti, 69.
 sericea, 69.
victa, *Storeria*, 110.
vigilis, *Xantusia*, 68.
virescens, *Rana*, 36.
virgatipes, *Rana*, 37.
Virginia, 110.
 elegans, 110.
 inornata, 111.
 valeriae, 111.
virginiana, *Lampropeltis*, 98.
viridescens, *Diemictylus*, 4.
 Notophthalmus, 4.
 Triturus, 4.
vittatus, *Notophthalmus*, 4.
vulpina, *Elaphe*, 93.
vulpinus, *Coluber*, 93.
 Elaphe, 93.
 Scotophis, 93.
 Water-pilot, 109.
 Water-snake, 108.
 Waterdog, 1.
 webbii, *Gerrhonotus*, 66.
 wehrlei, *Plethodon*, 12.
 Western bull-snake, 94.
 racer, 87.
 Whip-tails, 70.
 wilcoxi, *Tantilla*, 119.
 wilderae, *Eurycea*, 16.
 willardi, *Crotalus*, 126.
 wislizenii, *Crotaphytus*, 44, 45.
 Wood-frog, 37.
 Wood-turtle, 129.
 woodhousei, *Bufo*, 27.
 woodhousii, *Bufo*, 27.
 woodi, *Sceloporus*, 59.
 Worm-snake, 80.
 wrighti, *Uta*, 51.

Xantusia, 67.
 gilberti, 67.
 henshawii, 67.
 riversiana, 68.
 vigilis, 68.
Xantusiidae, 67.
Xerobates agassizii, 137.
 berlandieri, 137.

 yonahlossee, *Plethodon*, 12.
 yumanensis, *Lampropeltis*, 100.

Zablepsis henshavi, 67.
Zamenis aurigulus, 86.
 constrictor, 87.
 flagellum, 87.
 lateralis, 88.
 ornatus, 89.
 piceus, 87.
 schotti, 88.
 semilineatus, 88.
 taeniatus, 88.
 zonatus, *Bellophis*, 100.
 Coluber, 100.
 zosteromus, *Sceloporus*, 59.



